

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW070221\
 Data File : VW021594.D
 Acq On : 02 Jul 2021 13:26
 Operator : SY/MD
 Sample : M2914-03
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 DBK27

Manual Integrations
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MMDadoda
 7/6/2021 9:36:20 AM

Quant Time: Jul 03 00:07:22 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM062921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jul 03 00:01:46 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	455187	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	425532	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.252	152	222315	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	112512	39.067	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	78.140%
7) Chloroethane-d5	1.561	69	95041	40.377	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.760%
11) 1,1-Dichloroethene-d2	2.105	63	163818	31.089	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.180%
21) 2-Butanone-d5	3.870	46	249979	101.633	ug/L	-0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	101.630%
24) Chloroform-d	4.349	84	271036	44.993	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.980%
26) 1,2-Dichloroethane-d4	5.034	65	166768	46.983	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.960%
32) Benzene-d6	5.050	84	556315	46.562	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.120%
36) 1,2-Dichloropropane-d6	6.072	67	179572	47.652	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.300%
41) Toluene-d8	7.317	98	517999	46.879	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.760%
43) trans-1,3-Dichloroprop...	7.622	79	84536	45.096	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.200%
47) 2-Hexanone-d5	8.088	63	199135	113.921	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	113.920%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	256952	50.609	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.220%
66) 1,2-Dichlorobenzene-d4	11.628	152	208717	47.091	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.180%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.307	62	54694	14.576	ug/L	99
8) Chloroethane	1.577	64	1830m	0.848	ug/L	
13) Acetone	2.156	43	503987	247.853	ug/L #	100
16) Methylene chloride	2.507	84	4554	1.290	ug/L	95
17) trans-1,2-Dichloroethene	2.764	96	6213	1.959	ug/L	99
19) 1,1-Dichloroethane	3.188	63	136564	23.639	ug/L	99
20) cis-1,2-Dichloroethene	3.915	96	17638	5.001	ug/L	93
22) 2-Butanone	3.976	43	23826	8.484	ug/L	84
29) Cyclohexane	4.680	56	6794	1.264	ug/L	96
33) Benzene	5.101	78	479208	37.004	ug/L	100
34) Trichloroethene	5.921	95	3991	1.140	ug/L	94
35) Methylcyclohexane	6.133	83	4852	0.873	ug/L #	81
37) 1,2-Dichloropropane	6.175	63	29128	8.653	ug/L	99
40) 4-Methyl-2-pentanone	7.227	43	811427	164.216	ug/L	100
42) Toluene	7.391	91	907896	65.453	ug/L	99
48) 2-Hexanone	8.143	43	75349	19.292	ug/L #	73
51) Chlorobenzene	8.886	112	44416	4.920	ug/L	96
52) Ethylbenzene	9.014	91	382069	25.354	ug/L	100
53) m,p-Xylene	9.140	106	398292	68.871	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) o-Xylene	9.545	106	235787	40.867	ug/L	98
60) Isopropylbenzene	9.934	105	155609	10.262	ug/L	100
62) 1,3,5-Trimethylbenzene	10.542	105	574862	44.483	ug/L	99
63) 1,2,4-Trimethylbenzene	10.918	105	1620044	123.873	ug/L	99
65) 1,4-Dichlorobenzene	11.278	146	6463	0.907	ug/L #	88

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

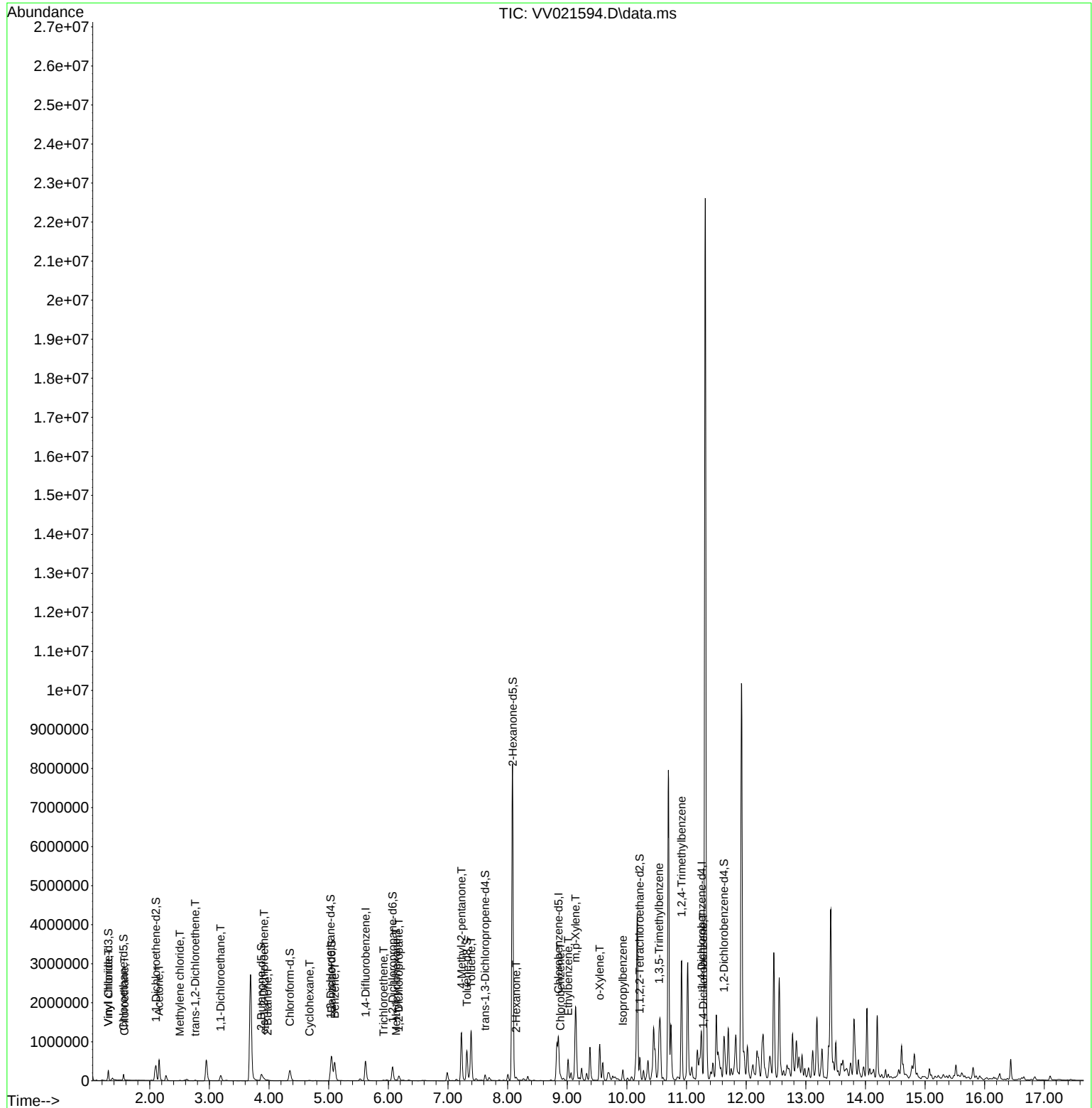
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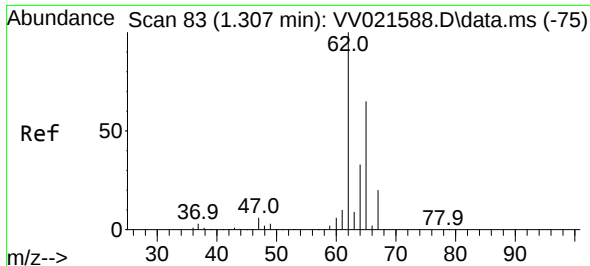
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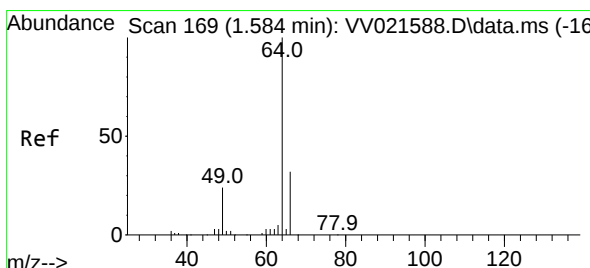
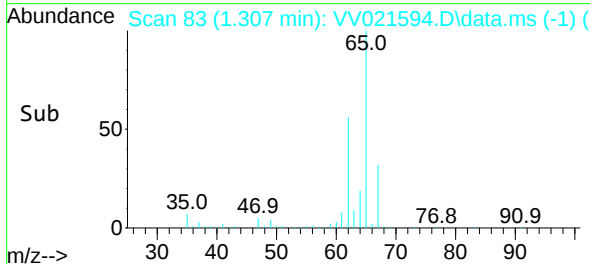
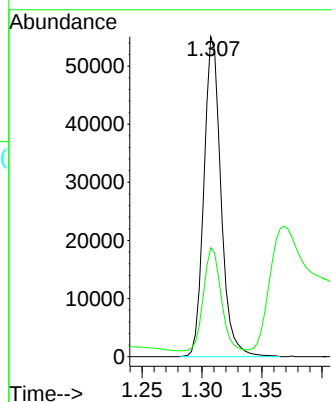
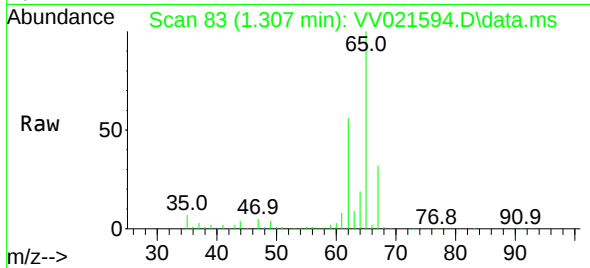
#5
 Vinyl chloride
 Concen: 14.576 ug/L
 RT: 1.307 min Scan# 83
 Delta R.T. 0.000 min
 Lab File: VV021594.D
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Tgt Ion: 62 Resp: 54694
 Ion Ratio Lower Upper
 62 100
 64 34.1 23.3 43.3

Instrument :
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 ClientSampled :
 DBK27

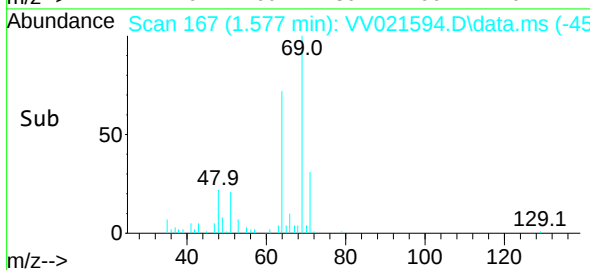
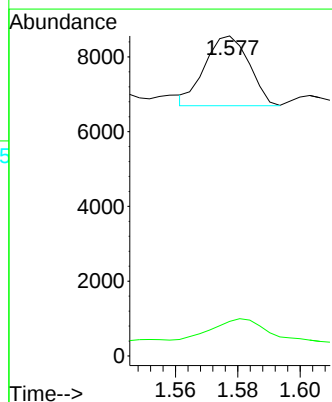
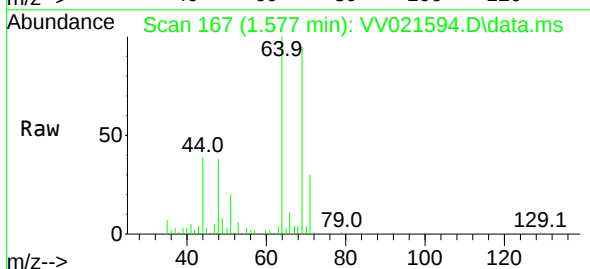
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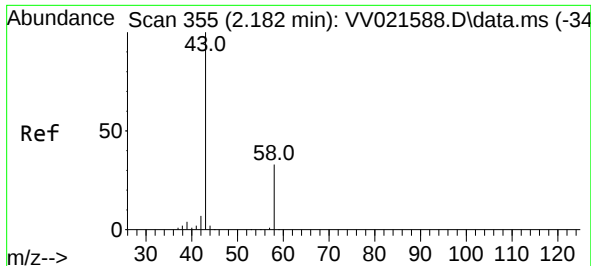
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#8
 Chloroethane
 Concen: 0.848 ug/L m
 RT: 1.577 min Scan# 167
 Delta R.T. -0.006 min
 Lab File: VV021594.D
 Acq: 02 Jul 2021 13:26

Tgt Ion: 64 Resp: 1830
 Ion Ratio Lower Upper
 64 100
 66 10.8 22.3 41.3#





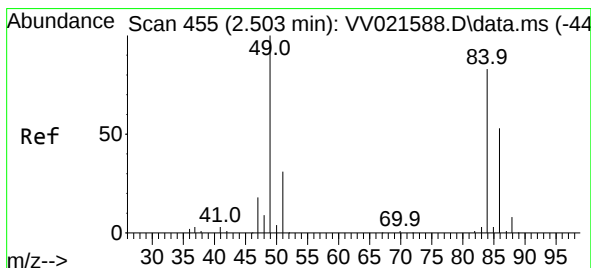
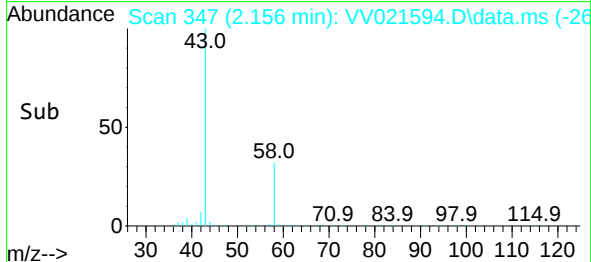
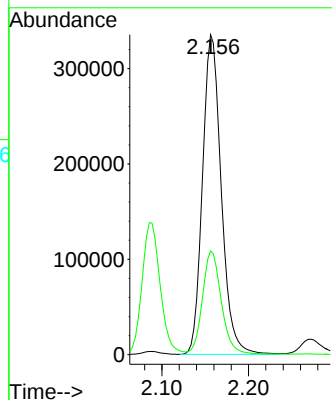
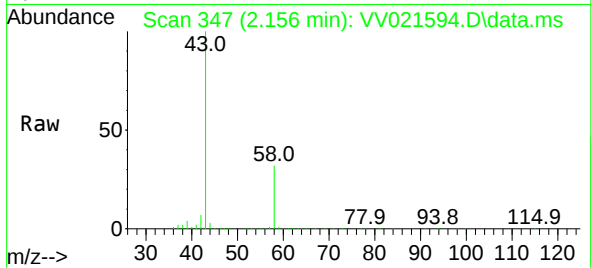
#13
Acetone
Concen: 247.853 ug/L
RT: 2.156 min Scan# 347
Delta R.T. -0.026 min
Lab File: VV021594.D
Acq: 02 Jul 2021 13:26

Tgt Ion: 43 Resp: 503987
Ion Ratio Lower Upper
43 100
58 32.3 0.0 0.0#

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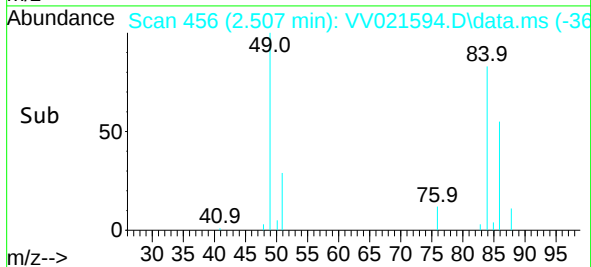
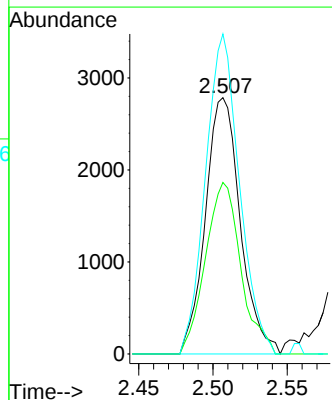
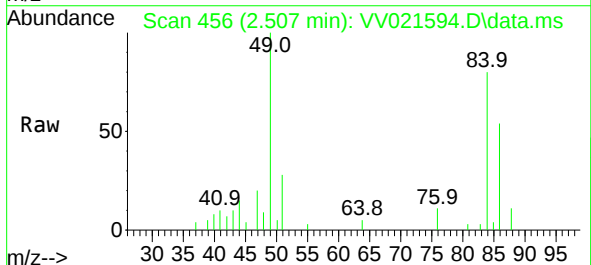
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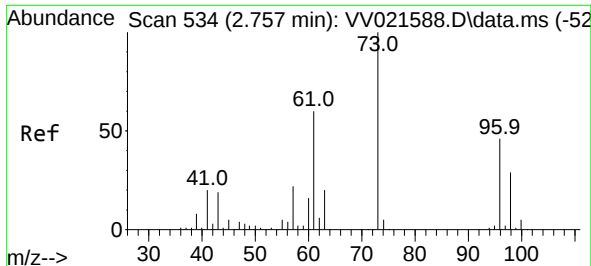
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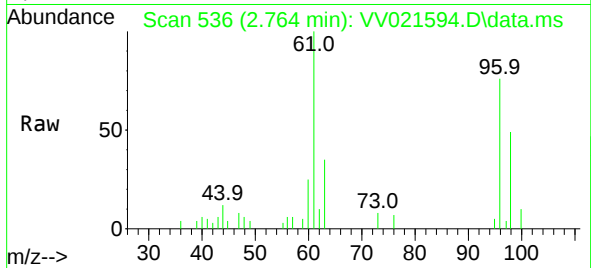
#16
Methylene chloride
Concen: 1.290 ug/L
RT: 2.507 min Scan# 456
Delta R.T. 0.003 min
Lab File: VV021594.D
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Tgt Ion: 84 Resp: 4554
Ion Ratio Lower Upper
84 100
86 66.9 45.1 83.9
49 124.8 82.5 153.3

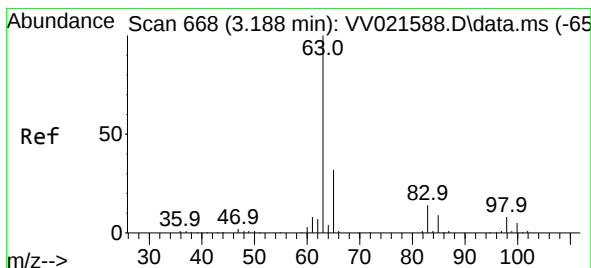
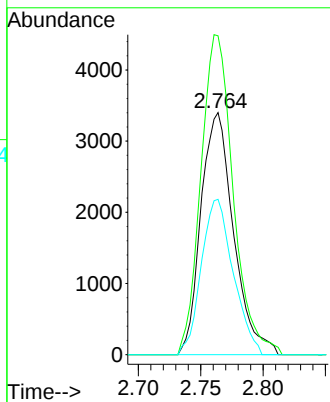
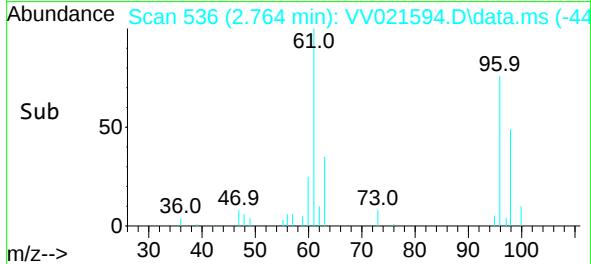




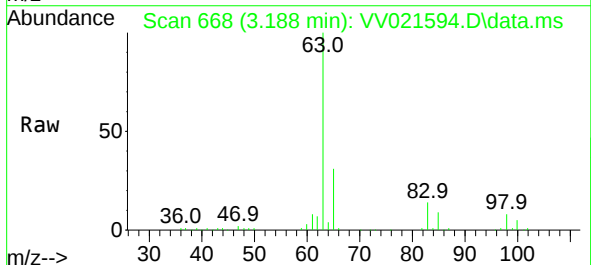
#17
trans-1,2-Dichloroethene
Concen: 1.959 ug/L
RT: 2.764 min Scan# 536
Delta R.T. 0.007 min
Lab File: VV021594.D
Acq: 02 Jul 2021 13:26



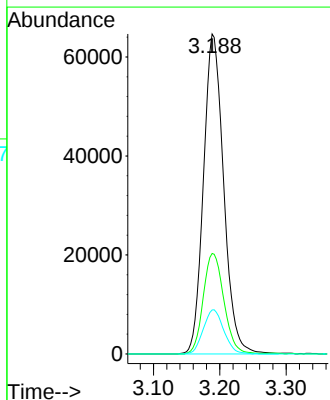
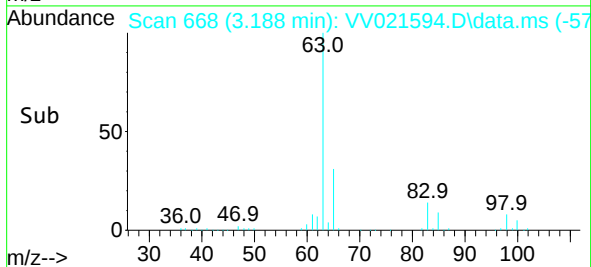
Tgt Ion: 96 Resp: 6213
Ion Ratio Lower Upper
96 100
61 131.7 93.0 172.6
98 64.2 44.2 82.0



#19
1,1-Dichloroethane
Concen: 23.639 ug/L
RT: 3.188 min Scan# 668
Delta R.T. 0.000 min
Lab File: VV021594.D
Acq: 02 Jul 2021 13:26



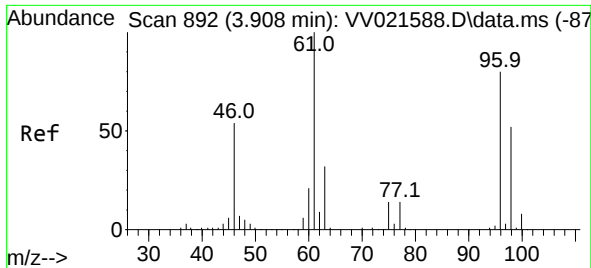
Tgt Ion: 63 Resp: 136564
Ion Ratio Lower Upper
63 100
65 31.4 22.4 41.6
83 13.8 9.4 17.6



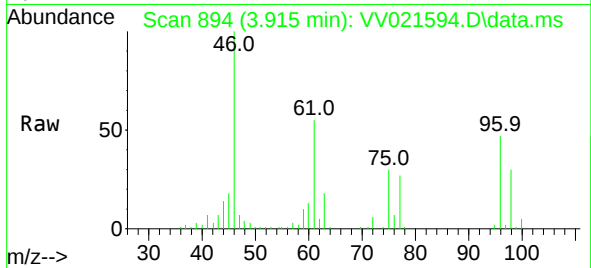
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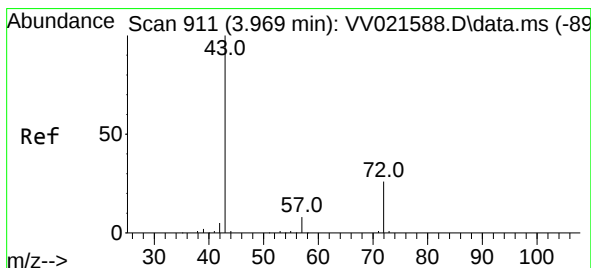
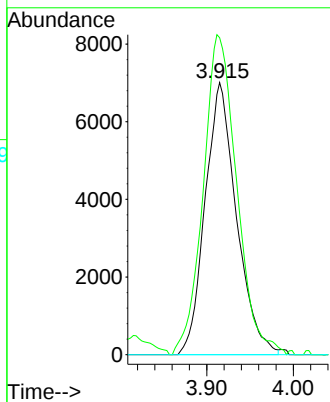
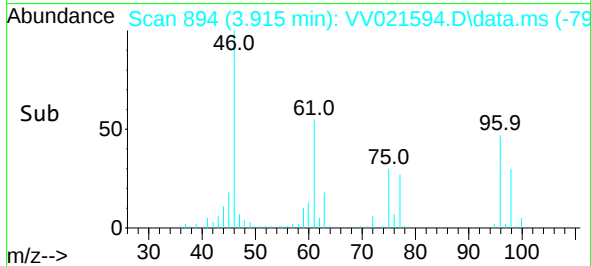
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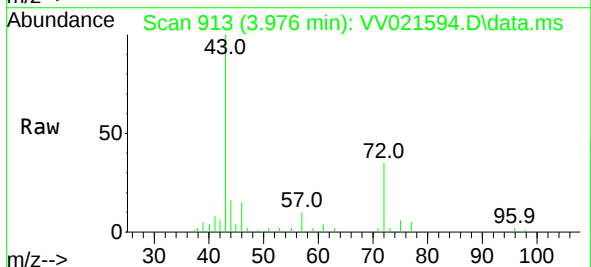
#20
cis-1,2-Dichloroethene
Concen: 5.001 ug/L
RT: 3.915 min Scan# 894
Delta R.T. 0.007 min
Lab File: VV021594.D
Acq: 02 Jul 2021 13:26



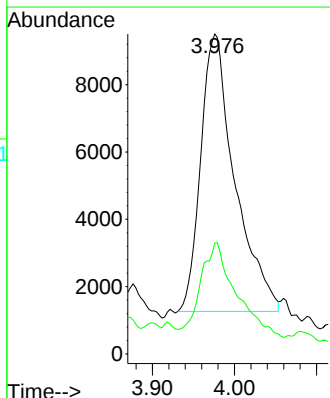
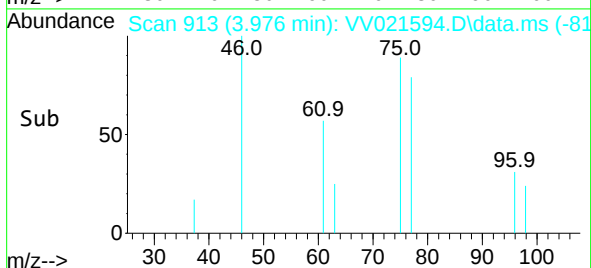
Tgt Ion: 96 Resp: 17638
Ion Ratio Lower Upper
96 100
61 116.5 86.9 161.3
68 0.0 0.0 0.0



#22
2-Butanone
Concen: 8.484 ug/L
RT: 3.976 min Scan# 913
Delta R.T. 0.007 min
Lab File: VV021594.D
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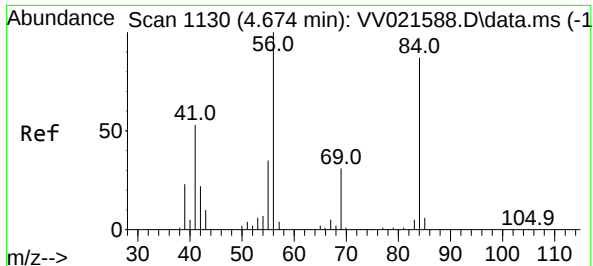
Tgt Ion: 43 Resp: 23826
Ion Ratio Lower Upper
43 100
72 18.3 13.3 39.8



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#29

Cyclohexane

Concen: 1.264 ug/L

RT: 4.680 min Scan# 1132

Delta R.T. 0.007 min

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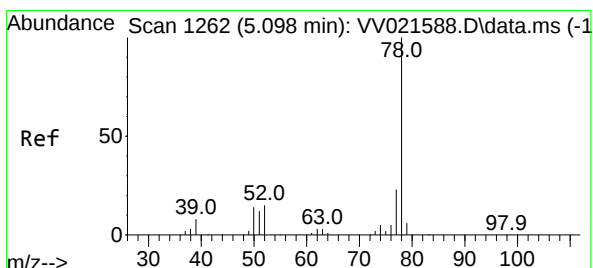
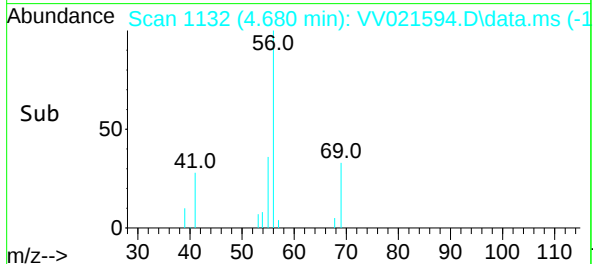
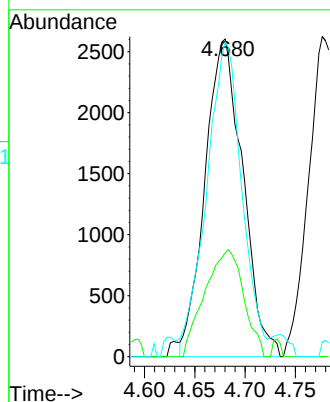
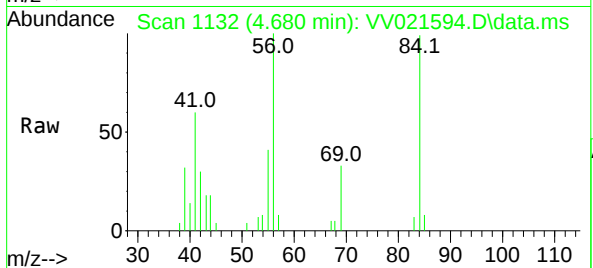
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Tgt Ion:	56	Resp:	6794
Ion	Ratio	Lower	Upper
56	100		
69	34.8	24.9	37.3
84	86.9	71.6	107.4

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#33

Benzene

Concen: 37.004 ug/L

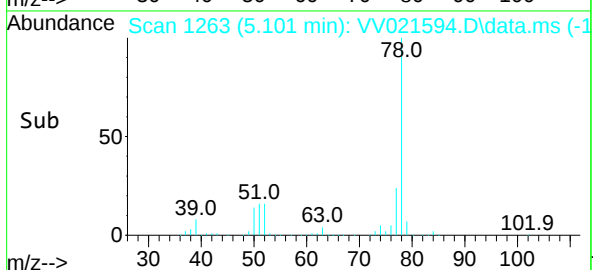
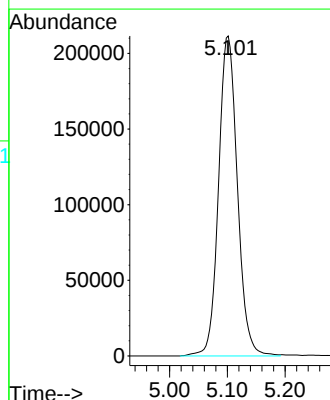
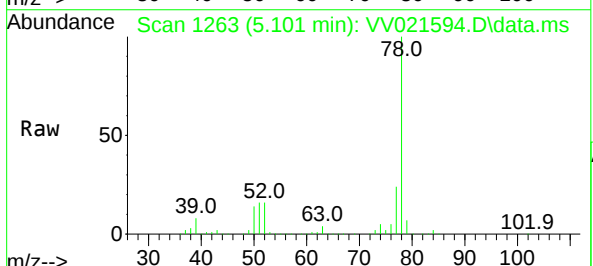
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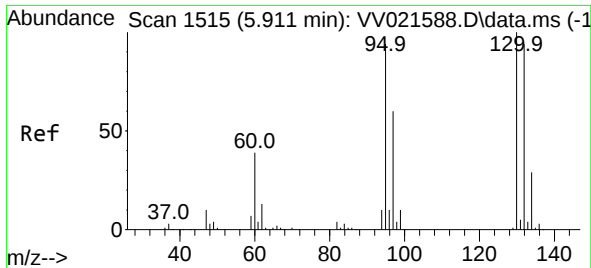
Delta R.T. 0.003 min

Lab File: VV021594.D

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Tgt Ion: 78 Resp: 479208





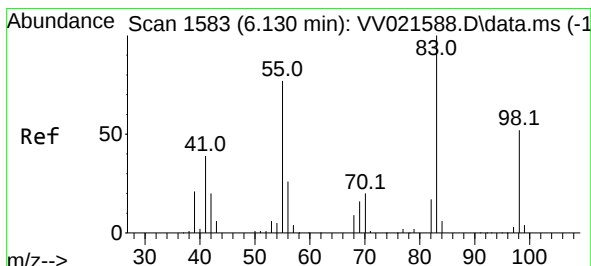
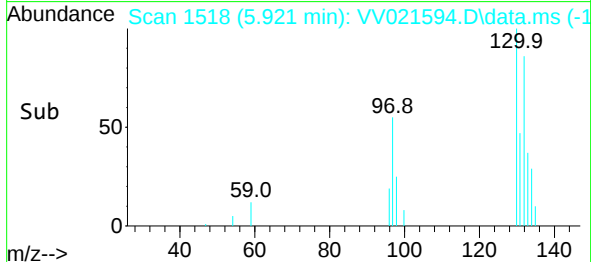
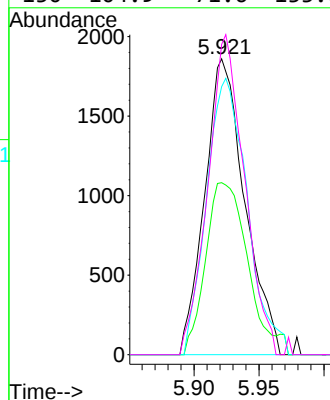
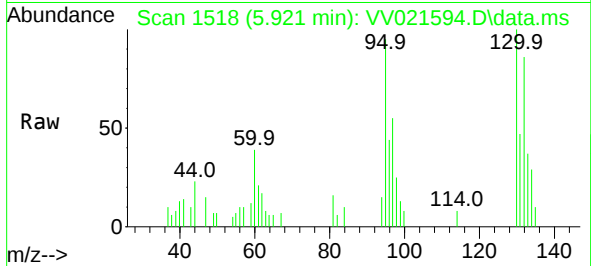
#34
Trichloroethene
Concen: 1.140 ug/L
RT: 5.921 min Scan# 1518
Delta R.T. 0.010 min
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Tgt Ion:	95	Resp:	3991
Ion	Ratio	Lower	Upper
95	100		
97	58.2	44.6	82.8
132	90.6	69.0	128.1
130	104.9	71.6	133.0

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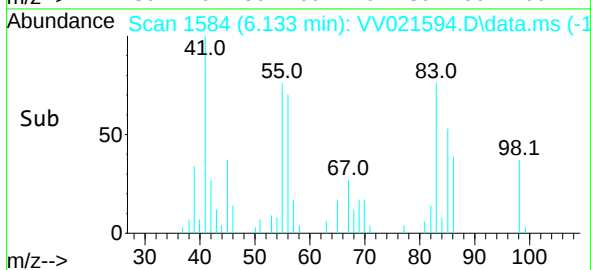
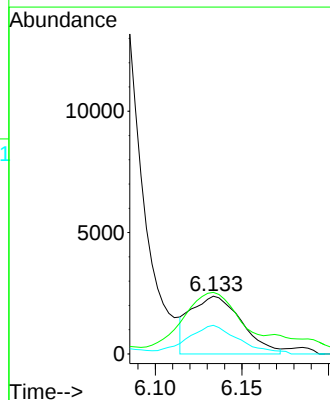
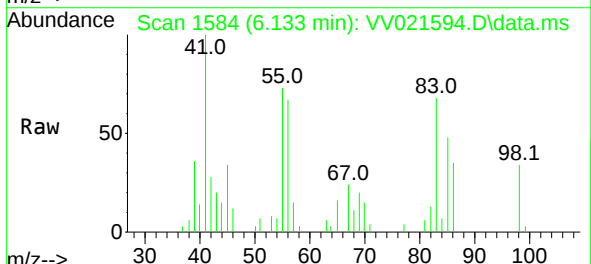
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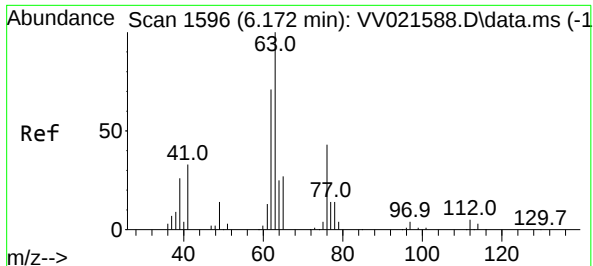
MMDadoda
7/6/2021 9:36:20 AM



#35
Methylcyclohexane
Concen: 0.873 ug/L
RT: 6.133 min Scan# 1584
Delta R.T. 0.003 min
Lab File: VV021594.D
Acq: 02 Jul 2021 13:26

Tgt Ion:	83	Resp:	4852
Ion	Ratio	Lower	Upper
83	100		
55	100.0	58.7	88.1#
98	50.5	39.7	59.5





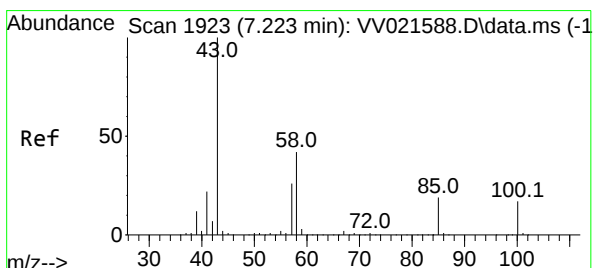
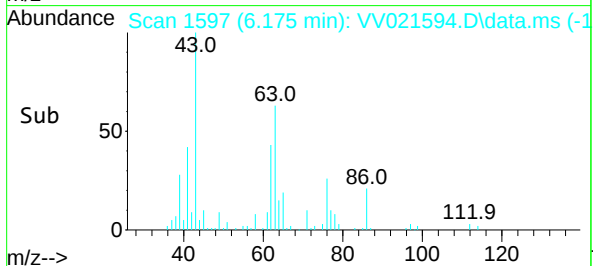
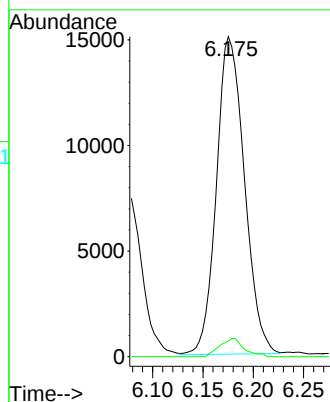
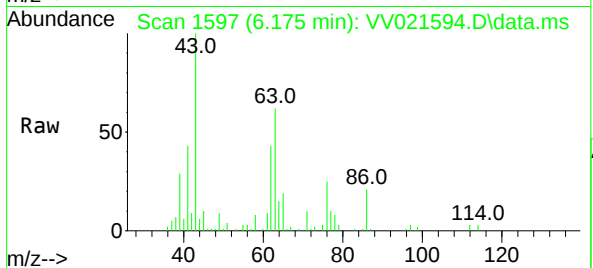
#37
1,2-Dichloropropane
Concen: 8.653 ug/L
RT: 6.175 min Scan# 1597
Delta R.T. 0.003 min
Lab File: VV021594.D
Acq: 02 Jul 2021 13:26

Tgt Ion: 63 Resp: 29128
Ion Ratio Lower Upper
63 100
112 5.0 3.8 5.6

Instrument :
MSVOA_V
ClientSampled :
DBK27

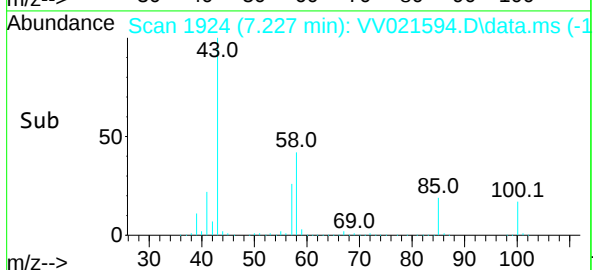
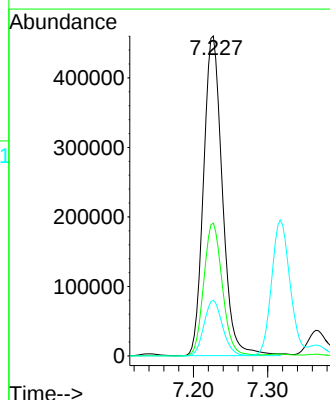
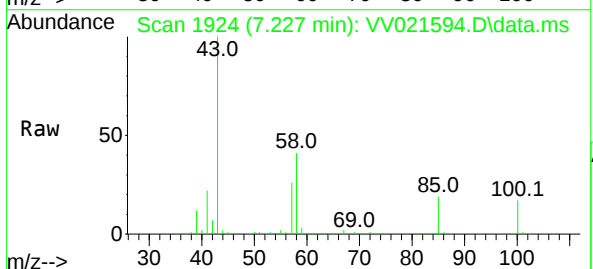
Manual Integrations
APPROVED

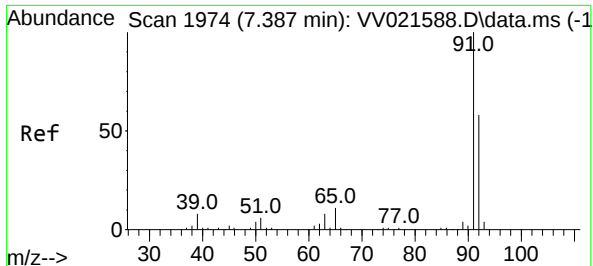
MMDadoda
7/6/2021 9:36:20 AM



#40
4-Methyl-2-pentanone
Concen: 164.216 ug/L
RT: 7.227 min Scan# 1924
Delta R.T. 0.003 min
Lab File: VV021594.D
Acq: 02 Jul 2021 13:26

Tgt Ion: 43 Resp: 811427
Ion Ratio Lower Upper
43 100
58 41.0 32.8 49.2
100 17.2 13.5 20.3





#42

Toluene

Concen: 65.453 ug/L

RT: 7.391 min Scan# 1975

Delta R.T. 0.003 min

Lab File: VV021594.D

Acq: 02 Jul 2021 13:26

Tgt Ion: 91 Resp: 907896

Ion Ratio Lower Upper

91 100

92 57.6 40.6 75.4

Instrument :

MSVOA_V

ClientSampled :

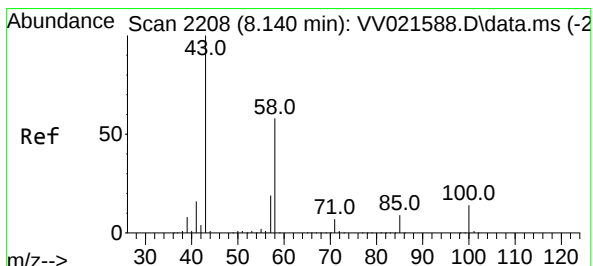
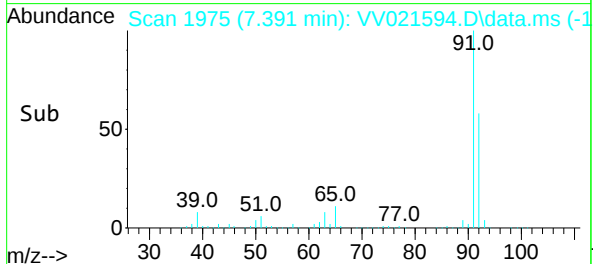
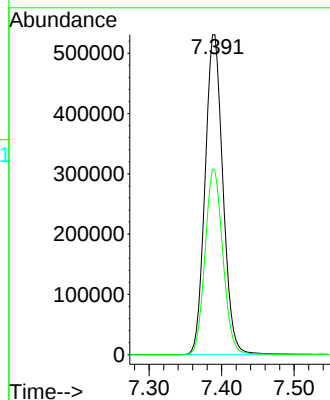
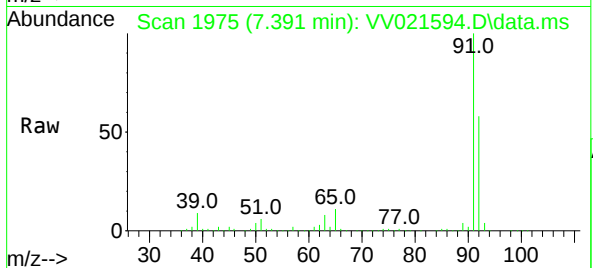
DBK27

Manual Integrations

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#48

2-Hexanone

Concen: 19.292 ug/L

RT: 8.143 min Scan# 2209

Delta R.T. 0.003 min

Lab File: VV021594.D

Acq: 02 Jul 2021 13:26

Tgt Ion: 43 Resp: 75349

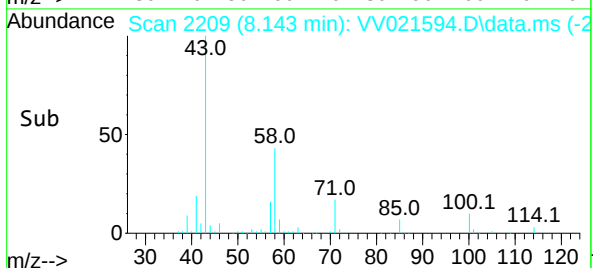
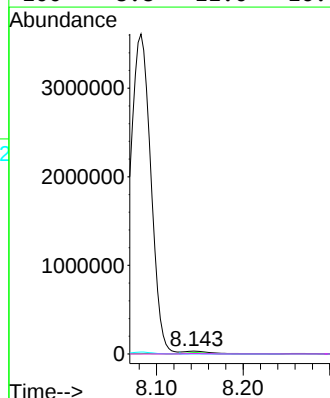
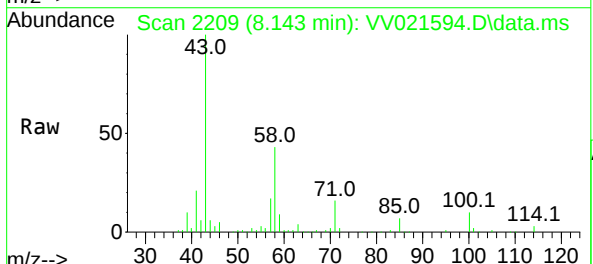
Ion Ratio Lower Upper

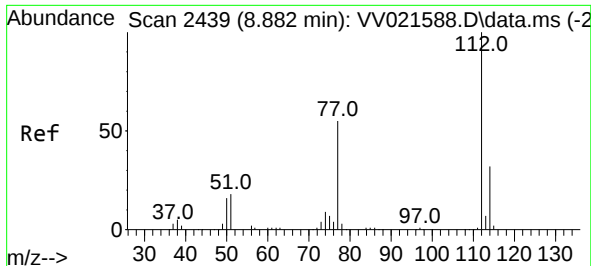
43 100

58 32.2 46.7 70.1#

57 12.8 15.5 23.3#

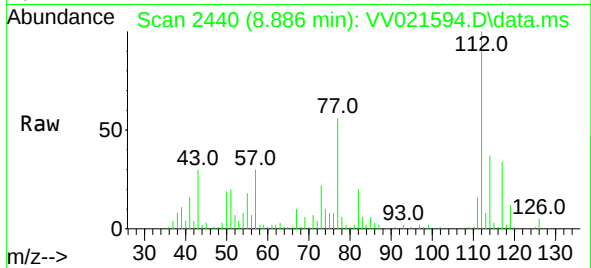
100 8.8 11.0 16.4#





#51
Chlorobenzene
Concen: 4.920 ug/L
RT: 8.886 min Scan# 2440
Delta R.T. 0.003 min
Lab File: VV021594.D
Acq: 02 Jul 2021 13:26

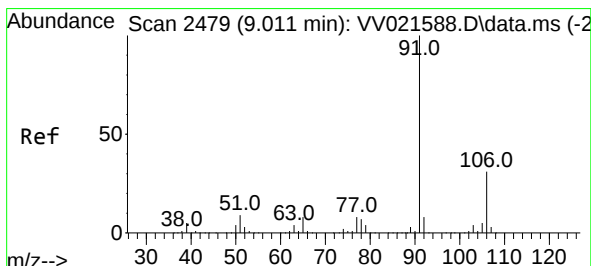
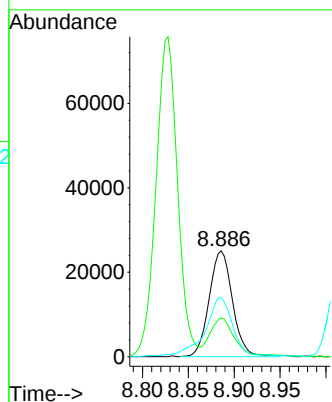
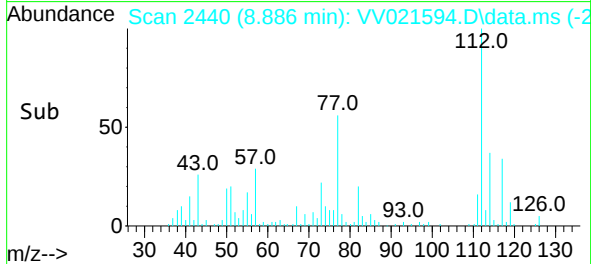
Instrument :
MSVOA_V
ClientSampled :
DBK27



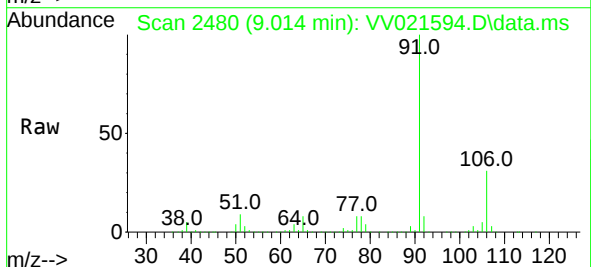
Tgt Ion:112 Resp: 44416
Ion Ratio Lower Upper
112 100
114 36.8 21.9 40.7
77 55.5 44.0 66.0

Manual Integrations
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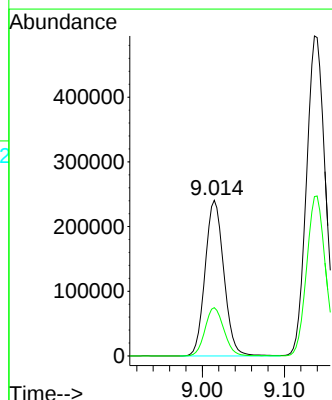
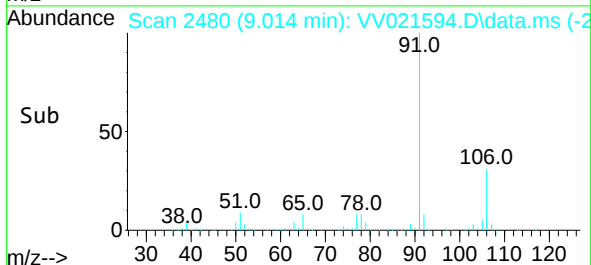
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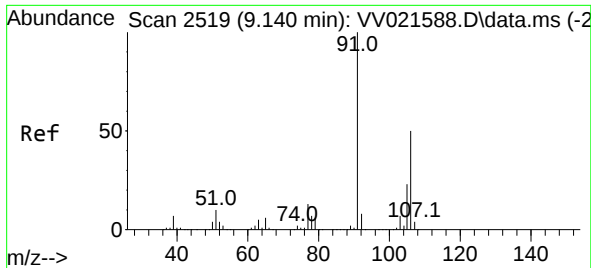


#52
Ethylbenzene
Concen: 25.354 ug/L
RT: 9.014 min Scan# 2480
Delta R.T. 0.003 min
Lab File: VV021594.D
Acq: 02 Jul 2021 13:26



Tgt Ion: 91 Resp: 382069
Ion Ratio Lower Upper
91 100
106 31.0 21.8 40.6





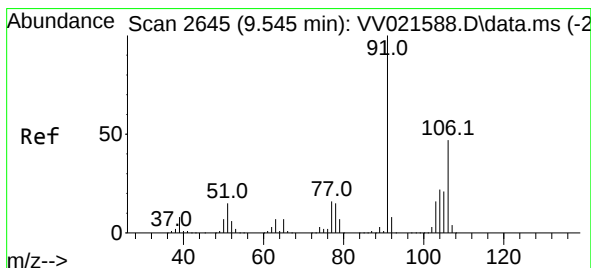
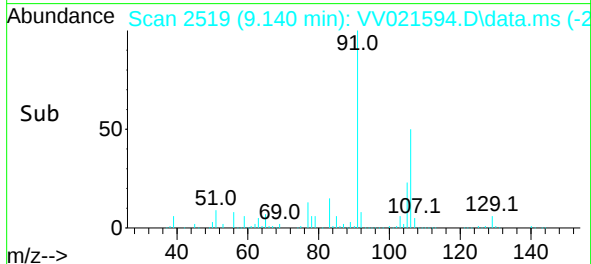
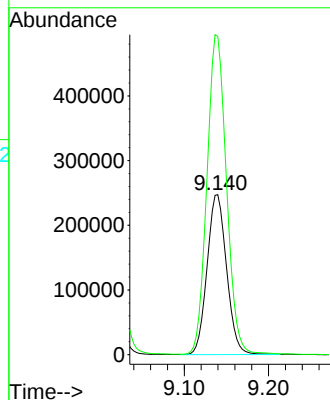
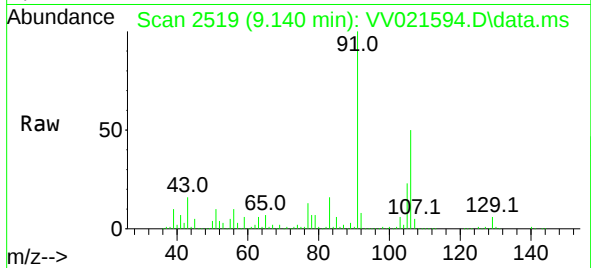
#53
m,p-Xylene
Concen: 68.871 ug/L
RT: 9.140 min Scan# 2519
Delta R.T. 0.000 min
Lab File: VV021594.D
Acq: 02 Jul 2021 13:26

Tgt Ion:106 Resp: 398292
Ion Ratio Lower Upper
106 100
91 198.9 138.7 257.5

Instrument :
MSVOA_V
ClientSampled :
DBK27

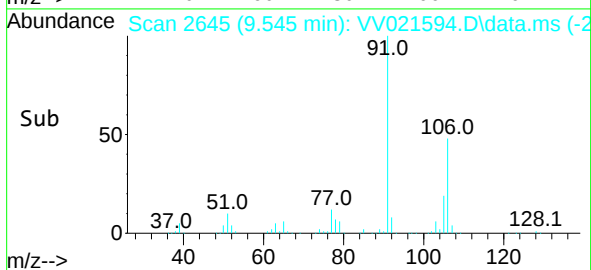
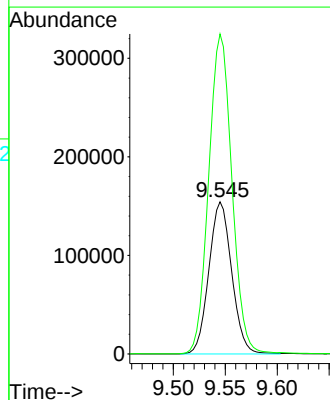
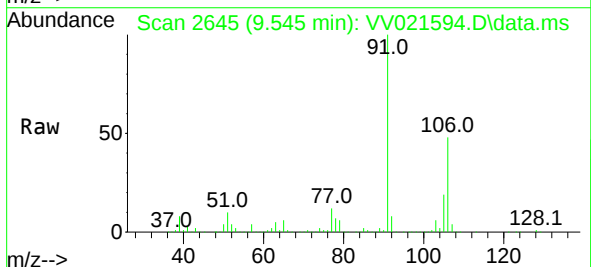
Manual Integrations
APPROVED

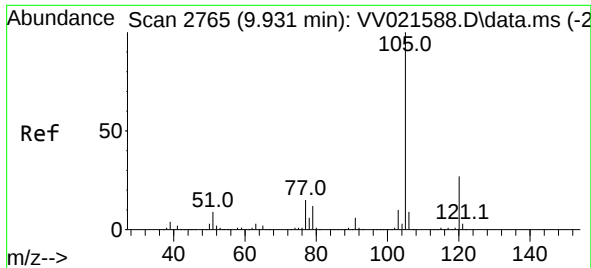
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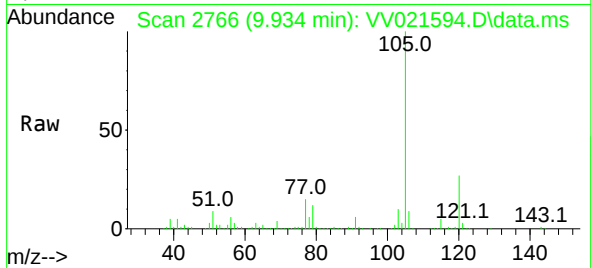
#54
o-Xylene
Concen: 40.867 ug/L
RT: 9.545 min Scan# 2645
Delta R.T. 0.000 min
Lab File: VV021594.D
Acq: 02 Jul 2021 13:26

Tgt Ion:106 Resp: 235787
Ion Ratio Lower Upper
106 100
91 210.3 149.0 276.8

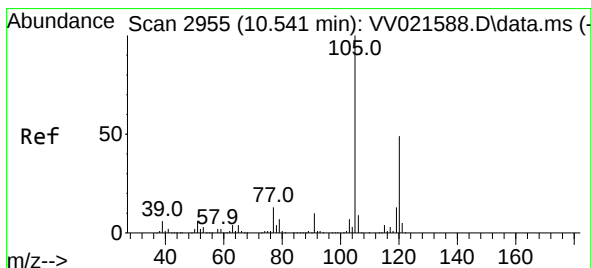
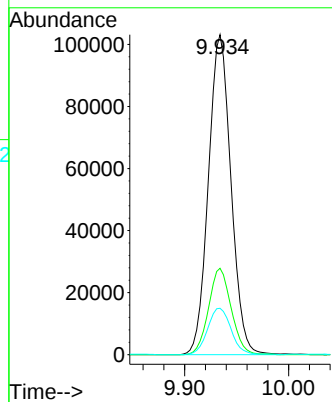
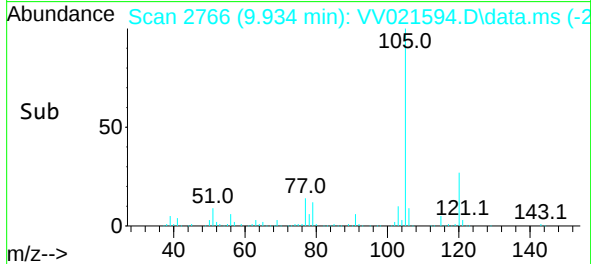




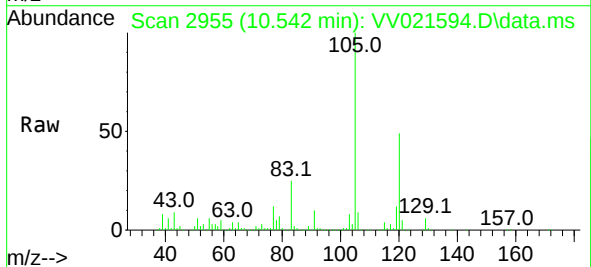
#60
Isopropylbenzene
Concen: 10.262 ug/L
RT: 9.934 min Scan# 2766
Delta R.T. 0.003 min
Lab File: VV021594.D
Acq: 02 Jul 2021 13:26



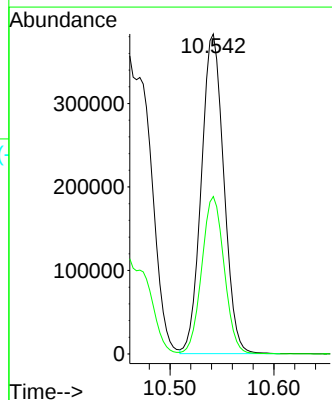
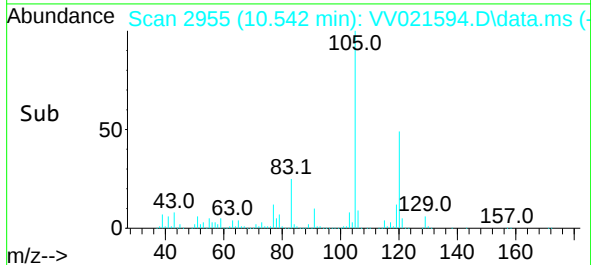
Tgt Ion:105 Resp: 155609
Ion Ratio Lower Upper
105 100
120 27.0 21.5 32.3
77 15.1 12.0 18.0



#62
1,3,5-Trimethylbenzene
Concen: 44.483 ug/L
RT: 10.542 min Scan# 2955
Delta R.T. 0.000 min
Lab File: VV021594.D
Acq: 02 Jul 2021 13:26



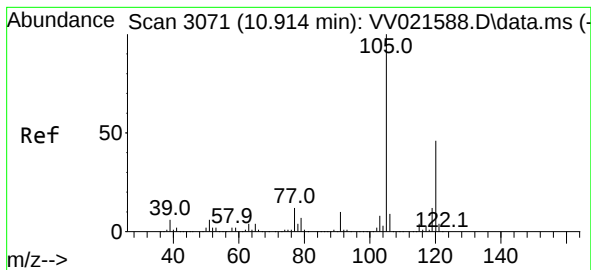
Tgt Ion:105 Resp: 574862
Ion Ratio Lower Upper
105 100
120 49.0 40.0 60.0



Instrument :
MSVOA_V
ClientSampled :
DBK27

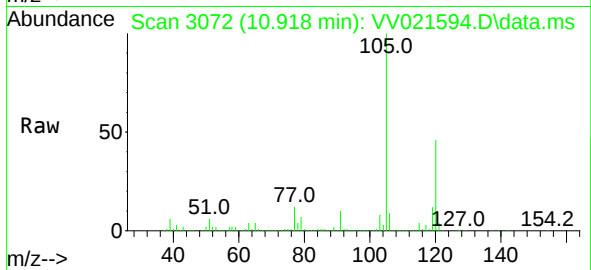
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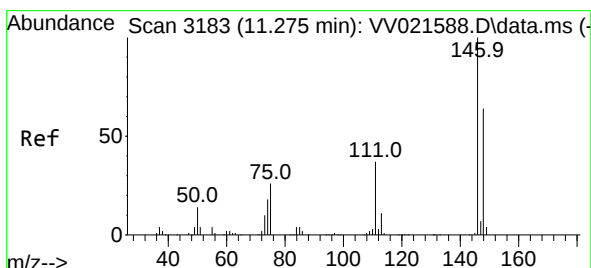
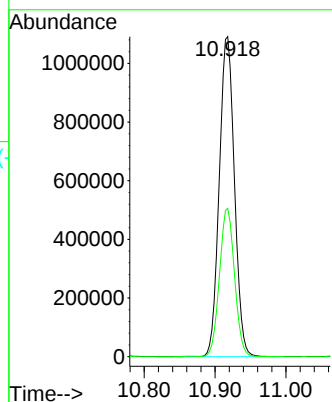
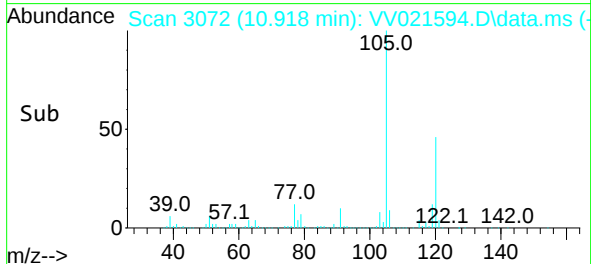


#63
1,2,4-Trimethylbenzene
Concen: 123.873 ug/L
RT: 10.918 min Scan# 3072
Delta R.T. 0.003 min
Lab File: VV021594.D
Acq: 02 Jul 2021 13:26

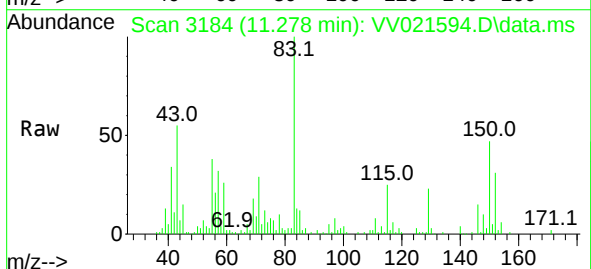
Instrument :
MSVOA_V
ClientSampled :
DBK27



Tgt Ion:105 Resp: 1620044
Ion Ratio Lower Upper
105 100
120 46.0 37.1 55.7



#65
1,4-Dichlorobenzene
Concen: 0.907 ug/L
RT: 11.278 min Scan# 3184
Delta R.T. 0.003 min
Lab File: VV021594.D
Acq: 02 Jul 2021 13:26



Tgt Ion:146 Resp: 6463
Ion Ratio Lower Upper
146 100
111 53.2 26.6 49.4#
148 68.4 45.2 84.0

