

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100621\
 Data File : VW020312.D
 Acq On : 06 Oct 2021 13:11
 Operator : SY/VA
 Sample : M3973-22
 Misc : 8.16g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EW8Y6

Manual Integrations
 APPROVED

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 10/11/2021 2:06:06 PM

Quant Time: Oct 07 01:51:55 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Oct 07 01:49:38 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.841	114	225856	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	151520	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	70079m	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.349	65	78440	25.199	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 100.800%			
7) Chloroethane-d5	2.885	69	30539	22.642	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 90.560%			
11) 1,1-Dichloroethene-d2	4.019	63	97739	15.247	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 61.000%			
21) 2-Butanone-d5	7.086	46	42065	53.197	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 106.400%			
24) Chloroform-d	7.653	84	140860	21.720	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 86.880%			
26) 1,2-Dichloroethane-d4	8.311	65	80935	22.804	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 91.200%			
32) Benzene-d6	8.281	84	279790	30.498	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 122.000%			
36) 1,2-Dichloropropane-d6	9.280	67	120567	41.434	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 165.720%#			
41) Toluene-d8	10.323	98	272006	32.736	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 130.960%#			
43) trans-1,3-Dichloroprop...	10.579	79	33567	28.351	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 113.400%			
47) 2-Hexanone-d5	10.926	63	31588	78.541	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 157.080%#			
56) 1,1,2,2-Tetrachloroeth...	12.694	84	51767	25.489	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 101.960%			
66) 1,2-Dichlorobenzene-d4	13.859	152	54541	22.226	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 88.920%			
Target Compounds						Qvalue
5) Vinyl chloride	2.361	62	18882	4.588	ug/L #	76
13) Acetone	4.135	43	10378	12.766	ug/L	94
14) Carbon disulfide	4.385	76	3604	0.349	ug/L	97
16) Methylene chloride	4.921	84	6220	1.542	ug/L	91
19) 1,1-Dichloroethane	6.226	63	5122	0.783	ug/L	94
20) cis-1,2-Dichloroethene	7.171	96	5324	1.582	ug/L	100
22) 2-Butanone	7.177	43	3269	3.271	ug/L	80
29) Cyclohexane	7.957	56	271088	60.178	ug/L	91
33) Benzene	8.329	78	72771	6.906	ug/L	100
35) Methylcyclohexane	9.335	83	1072869	237.271	ug/L	92
42) Toluene	10.390	91	28315	2.672	ug/L	95
52) Ethylbenzene	11.731	91	37903	3.276	ug/L	91
53) m,p-Xylene	11.847	106	30607	7.161	ug/L	90
54) o-Xylene	12.170	106	134254	33.543	ug/L	99
60) Isopropylbenzene	12.463	105	321631	30.916	ug/L	98
62) 1,3,5-Trimethylbenzene	12.944	105	229697	27.288	ug/L	99
63) 1,2,4-Trimethylbenzene	13.249	105	696054	82.742	ug/L	100

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Manual Integrations
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Quant Time: Oct 07 01:51:55 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM100621SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Oct 07 01:49:38 2021
Response via : Initial Calibration

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

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

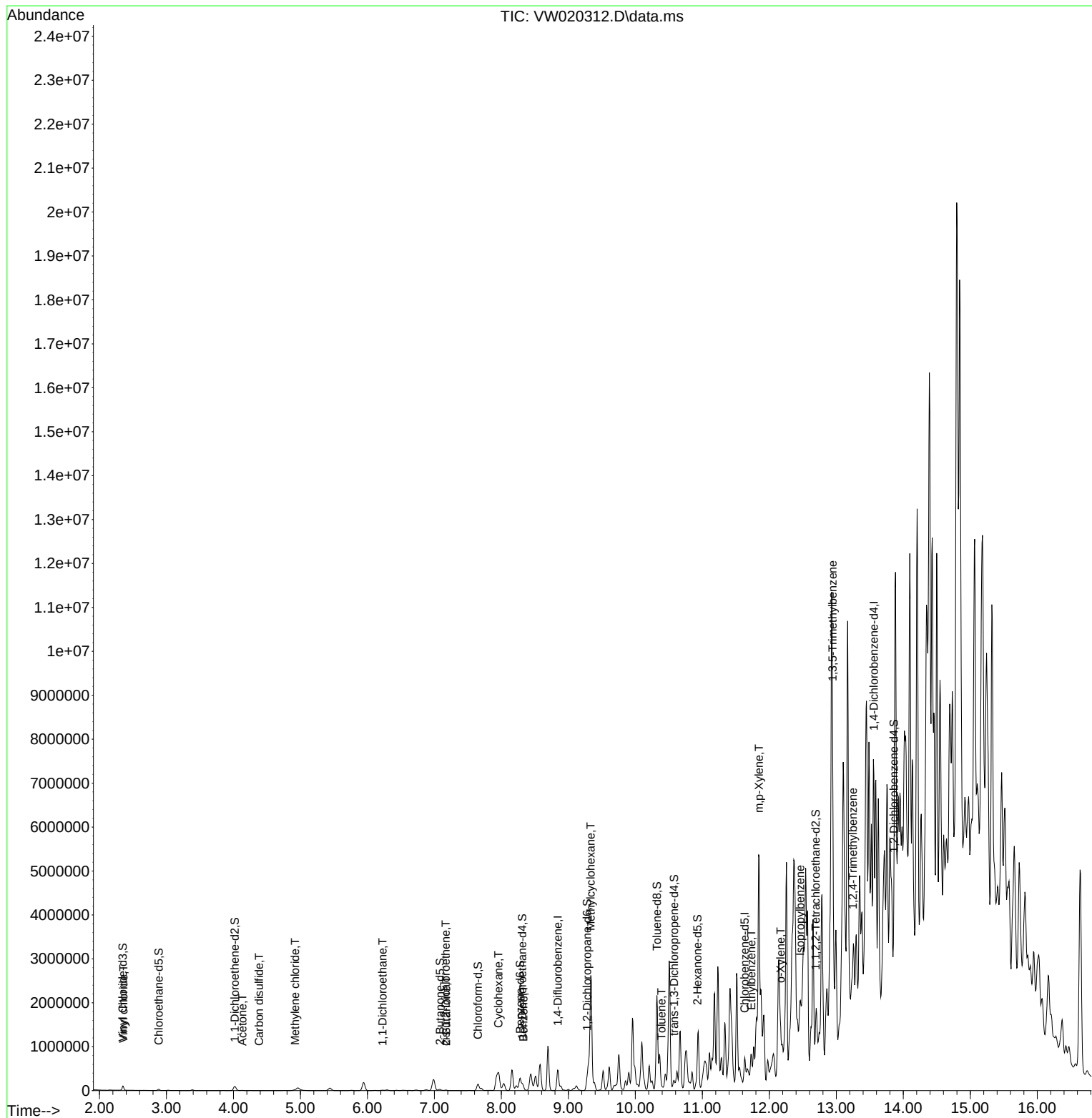
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Data File : VW020312.D
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Operator : SY/VA
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ALS Vial : 1 Sample Multiplier: 1

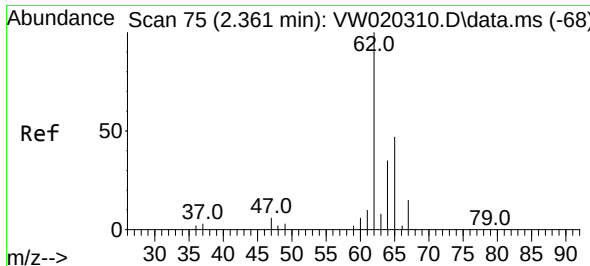
Instrument :
MSVOA_W
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Manual Integrations
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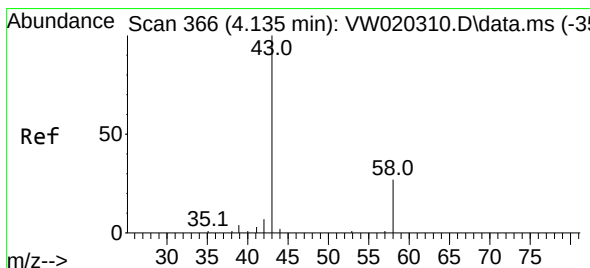
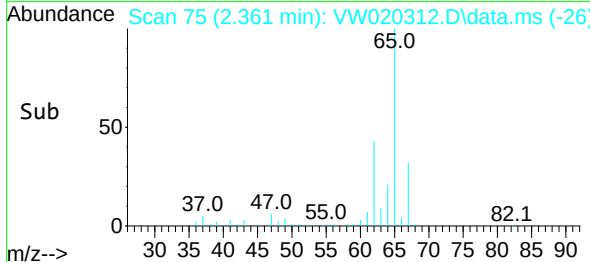
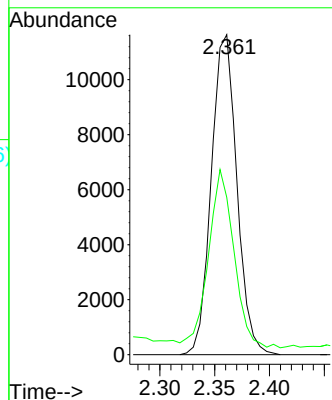
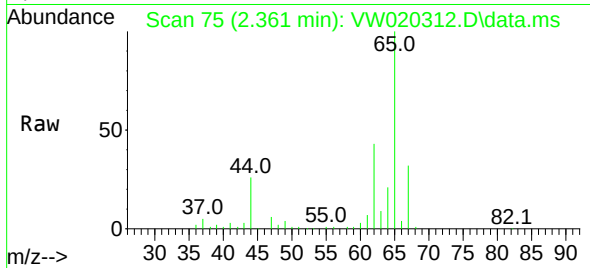
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 Vinyl chloride
 Concen: 4.588 ug/L
 RT: 2.361 min Scan# 75
 Delta R.T. -0.000 min
 Lab File: VW020312.D
 Acq: 06 Oct 2021 13:11

Tgt Ion: 62 Resp: 18882
 Ion Ratio Lower Upper
 62 100
 64 49.1 24.6 45.6#

Instrument :
 MSVOA_W
 ClientSampled :
 EW8Y6

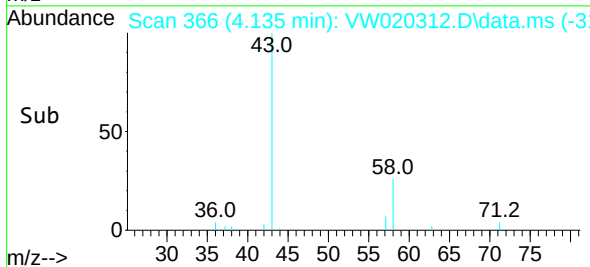
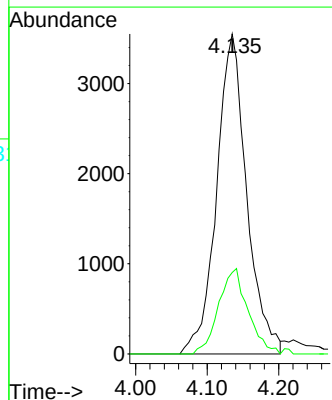
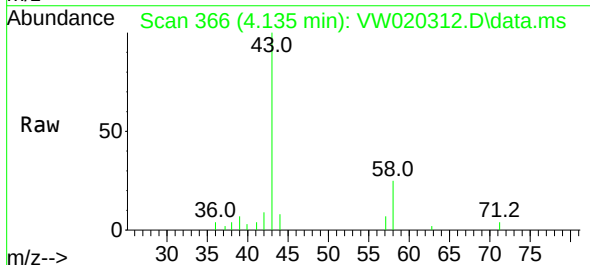
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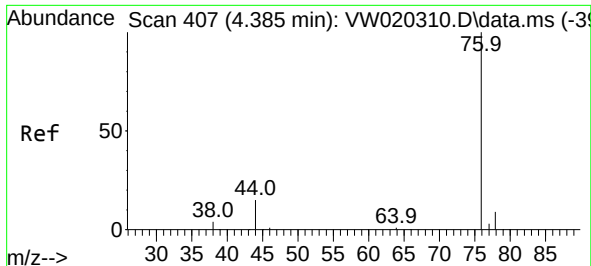
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#13
 Acetone
 Concen: 12.766 ug/L
 RT: 4.135 min Scan# 366
 Delta R.T. -0.000 min
 Lab File: VW020312.D
 Acq: 06 Oct 2021 13:11

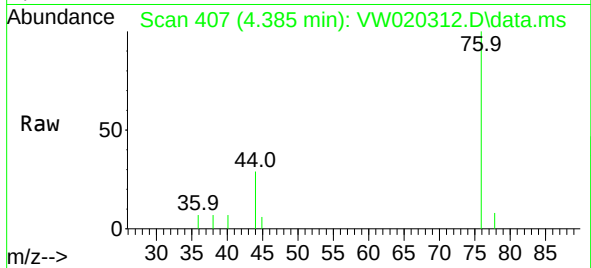
Tgt Ion: 43 Resp: 10378
 Ion Ratio Lower Upper
 43 100
 58 25.8 0.0 58.4



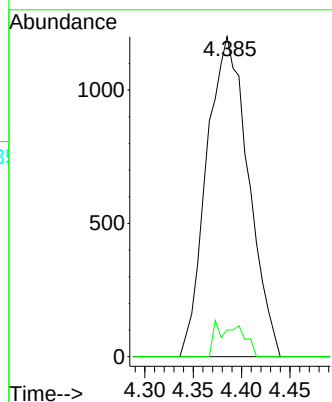
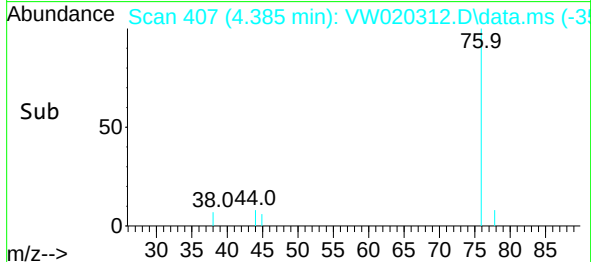


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Carbon disulfide
Concen: 0.349 ug/L
RT: 4.385 min Scan# 407
Delta R.T. -0.000 min
Lab File: VW020312.D
Acq: 06 Oct 2021 13:11

Instrument :
MSVOA_W
ClientSampled :
EW8Y6

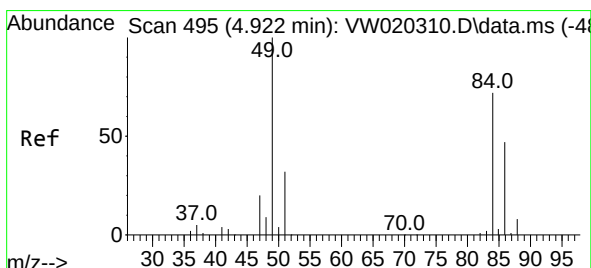


Tgt Ion: 76 Resp: 3604
Ion Ratio Lower Upper
76 100
78 8.3 7.4 11.2

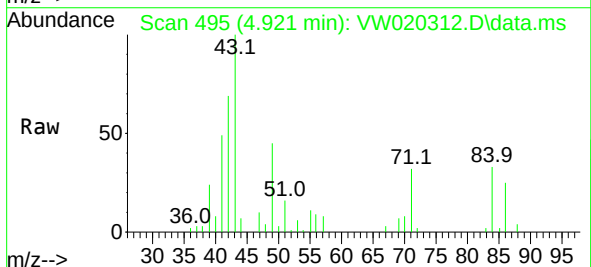


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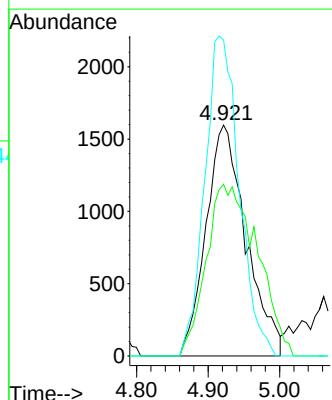
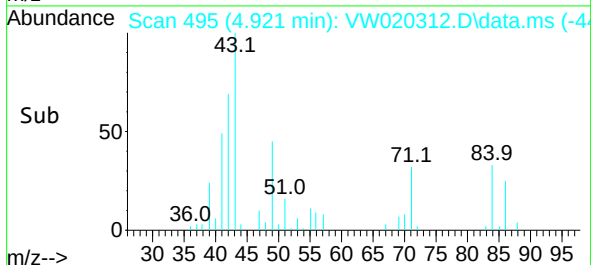
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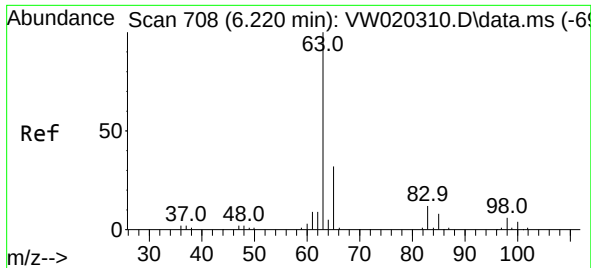


#16
Methylene chloride
Concen: 1.542 ug/L
RT: 4.921 min Scan# 495
Delta R.T. -0.000 min
Lab File: VW020312.D
Acq: 06 Oct 2021 13:11



Tgt Ion: 84 Resp: 6220
Ion Ratio Lower Upper
84 100
86 74.3 44.7 83.1
49 136.8 101.7 188.9





#19

1,1-Dichloroethane

Concen: 0.783 ug/L

RT: 6.226 min Scan# 709

Delta R.T. 0.006 min

Lab File: VW020312.D

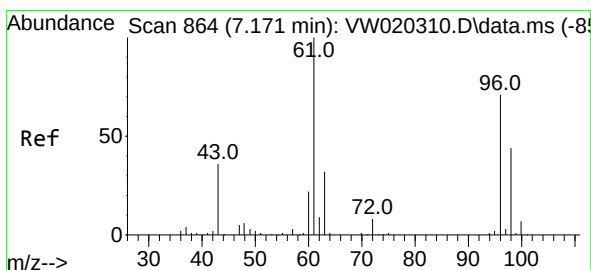
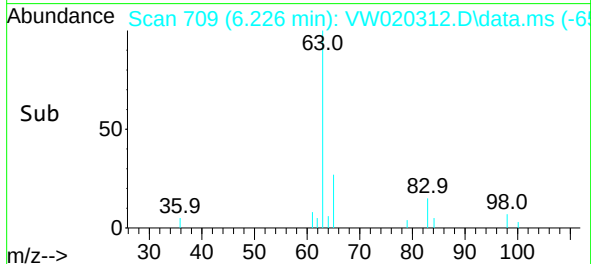
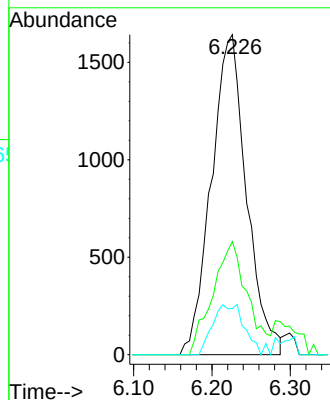
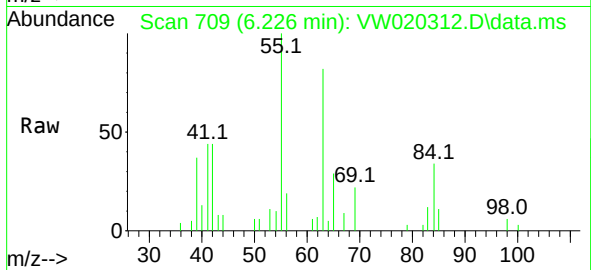
Acq: 06 Oct 2021 13:11

Tgt Ion:	63	Resp:	5122
Ion	Ratio	Lower	Upper
63	100		
65	35.4	21.9	40.7
83	14.4	9.0	16.6

Instrument :
MSVOA_W
ClientSampled :
EW8Y6

Manual Integrations
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#20

cis-1,2-Dichloroethene

Concen: 1.582 ug/L

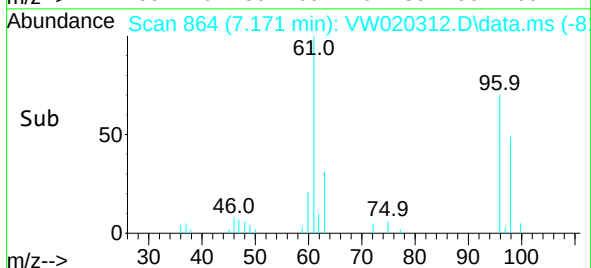
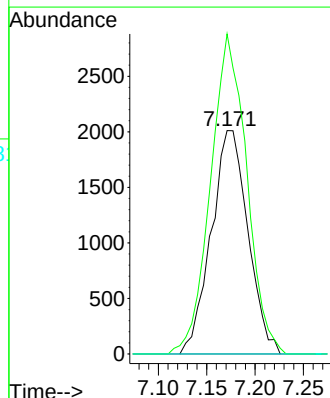
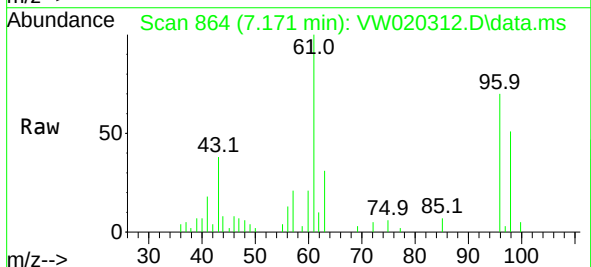
RT: 7.171 min Scan# 864

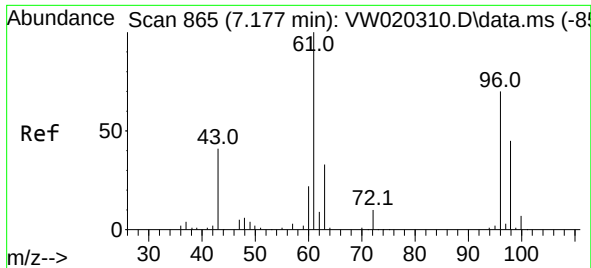
Delta R.T. -0.000 min

Lab File: VW020312.D

Acq: 06 Oct 2021 13:11

Tgt Ion:	96	Resp:	5324
Ion	Ratio	Lower	Upper
96	100		
61	143.3	100.3	186.3
68	0.0	0.0	0.0





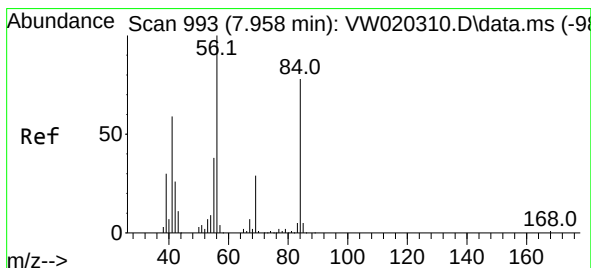
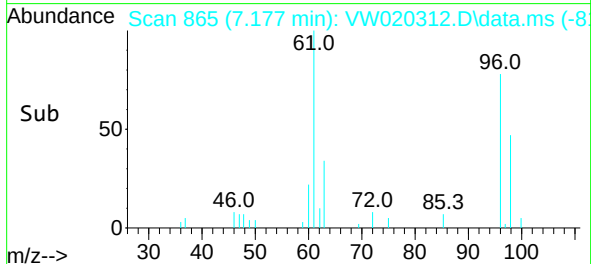
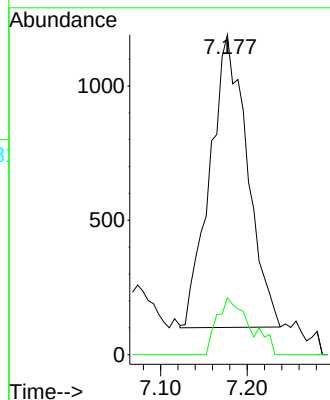
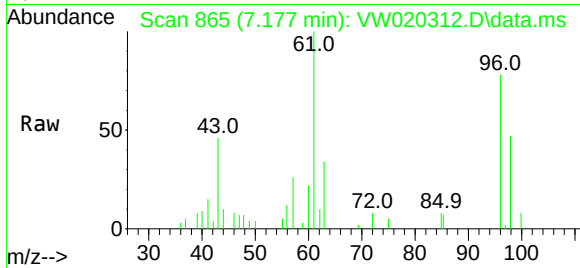
#22
2-Butanone
Concen: 3.271 ug/L
RT: 7.177 min Scan# 865
Delta R.T. -0.000 min
Lab File: VW020312.D
Acq: 06 Oct 2021 13:11

Tgt Ion: 43 Resp: 3269
Ion Ratio Lower Upper
43 100
72 14.4 12.2 36.6

Instrument :
MSVOA_W
ClientSampled :
EW8Y6

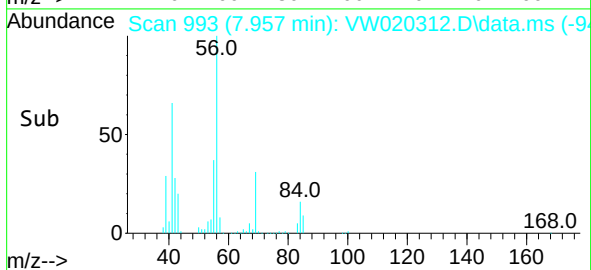
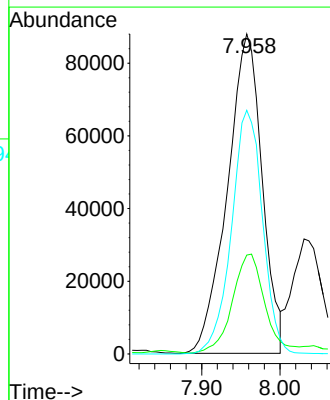
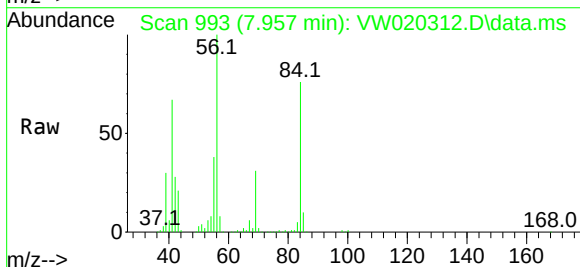
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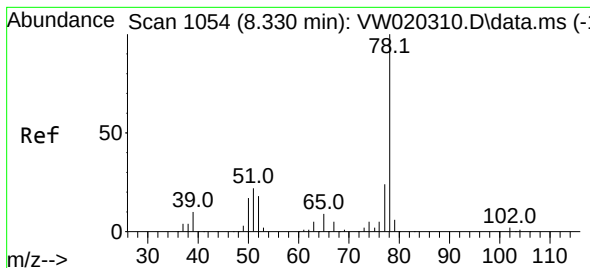
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#29
Cyclohexane
Concen: 60.178 ug/L
RT: 7.957 min Scan# 993
Delta R.T. -0.000 min
Lab File: VW020312.D
Acq: 06 Oct 2021 13:11

Tgt Ion: 56 Resp: 271088
Ion Ratio Lower Upper
56 100
69 28.9 23.2 34.8
84 68.3 63.7 95.5





#33

Benzene

Concen: 6.906 ug/L

RT: 8.329 min Scan# 1054

Delta R.T. -0.000 min

Lab File: VW020312.D

Acq: 06 Oct 2021 13:11

Tgt Ion: 78 Resp: 72771

Instrument :

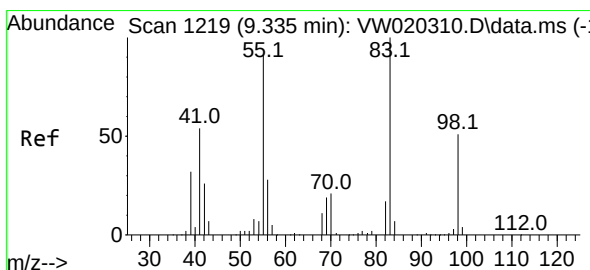
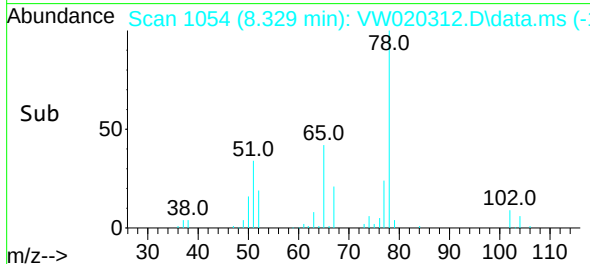
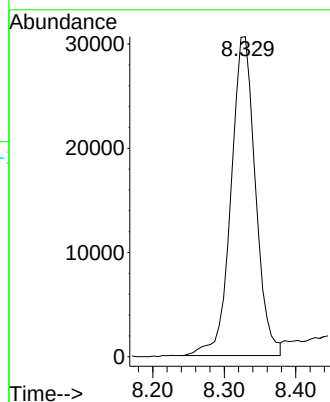
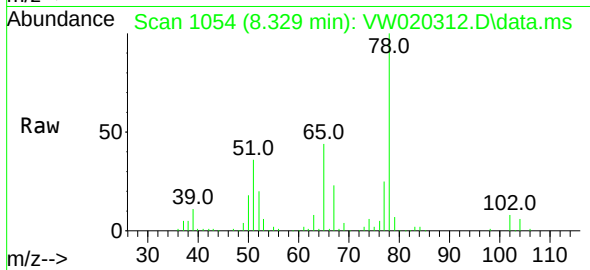
MSVOA_W

ClientSampleId :

EW8Y6

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#35

Methylcyclohexane

Concen: 237.271 ug/L

RT: 9.335 min Scan# 1219

Delta R.T. -0.000 min

Lab File: VW020312.D

Acq: 06 Oct 2021 13:11

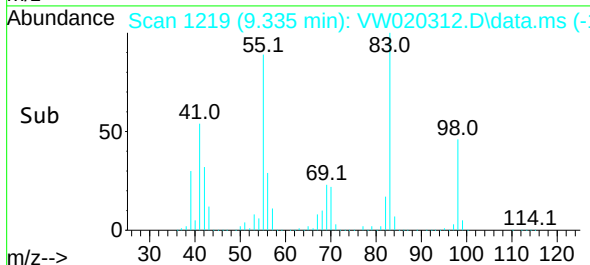
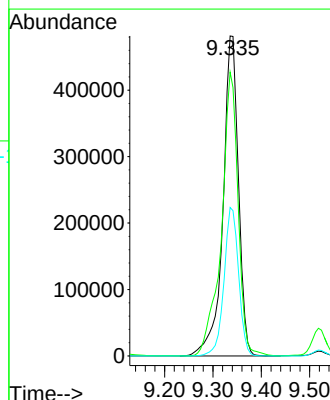
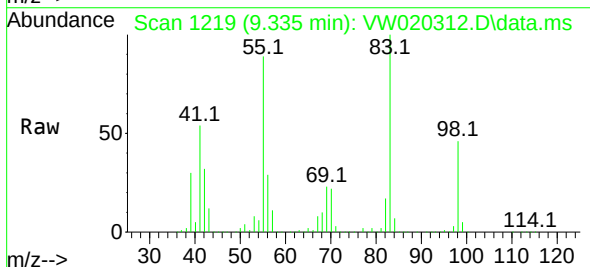
Tgt Ion: 83 Resp: 1072869

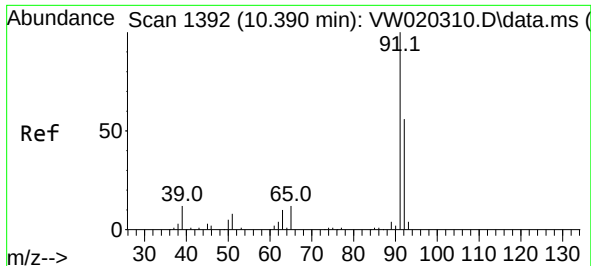
Ion Ratio Lower Upper

83 100

55 95.1 69.7 104.5

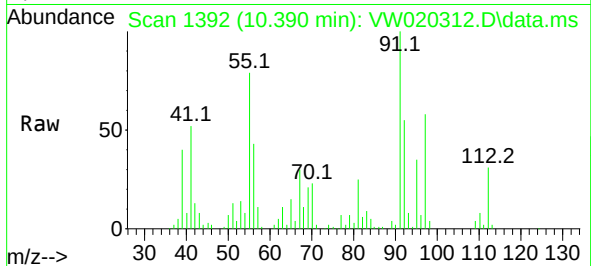
98 43.8 38.2 57.2





#42
Toluene
Concen: 2.672 ug/L
RT: 10.390 min Scan# 1392
Delta R.T. -0.000 min
Lab File: VW020312.D
Acq: 06 Oct 2021 13:11

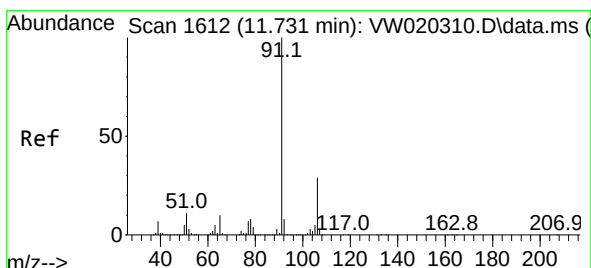
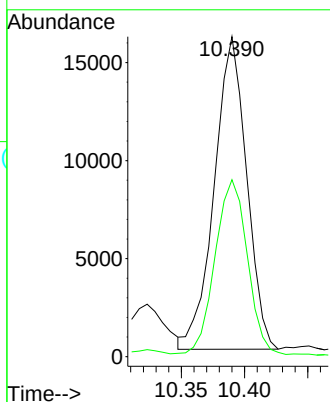
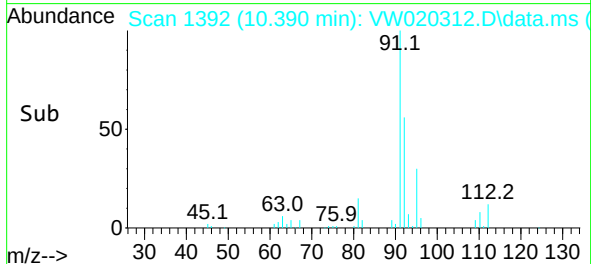
Instrument :
MSVOA_W
ClientSampleId :
EW8Y6



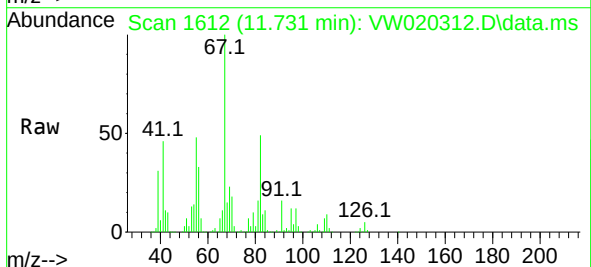
Tgt Ion: 91 Resp: 28315
Ion Ratio Lower Upper
91 100
92 55.3 41.5 77.1

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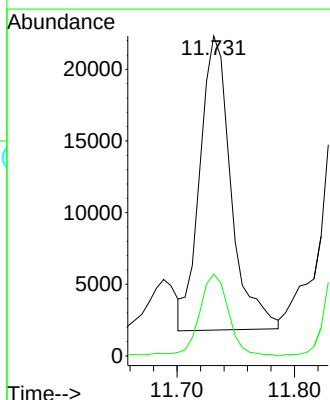
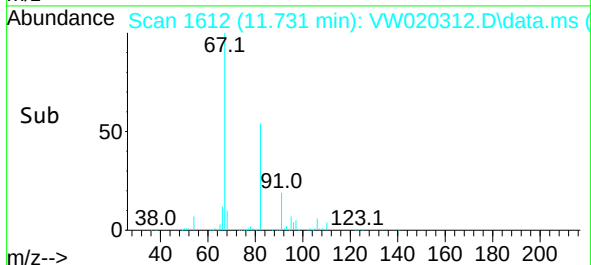
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10/11/2021 2:06:06 PM

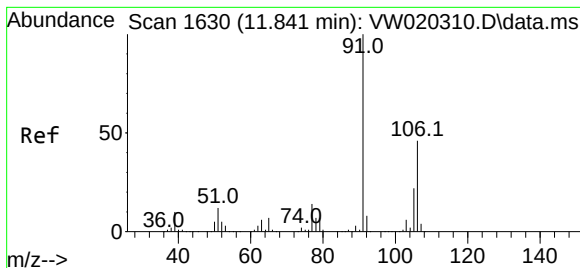


#52
Ethylbenzene
Concen: 3.276 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. -0.000 min
Lab File: VW020312.D
Acq: 06 Oct 2021 13:11



Tgt Ion: 91 Resp: 37903
Ion Ratio Lower Upper
91 100
106 25.6 21.3 39.5





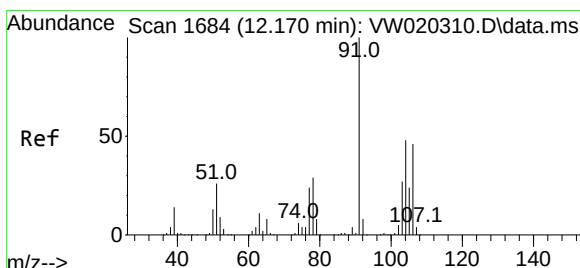
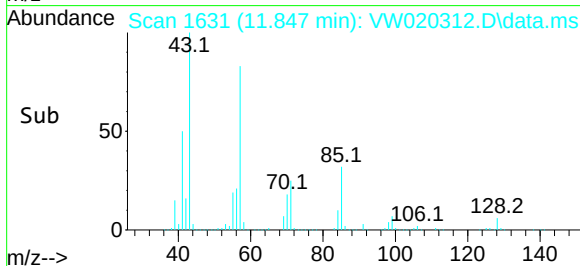
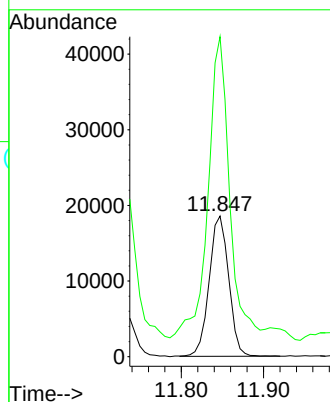
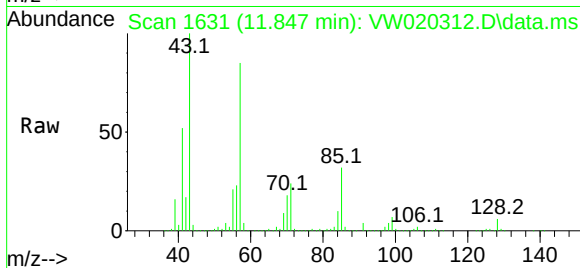
#53
m,p-Xylene
Concen: 7.161 ug/L
RT: 11.847 min Scan# 1631
Delta R.T. 0.006 min
Lab File: VW020312.D
Acq: 06 Oct 2021 13:11

Tgt Ion:106 Resp: 30607
Ion Ratio Lower Upper
106 100
91 227.5 148.2 275.2

Instrument :
MSVOA_W
ClientSampled :
EW8Y6

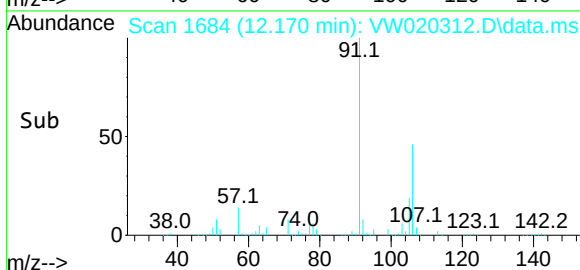
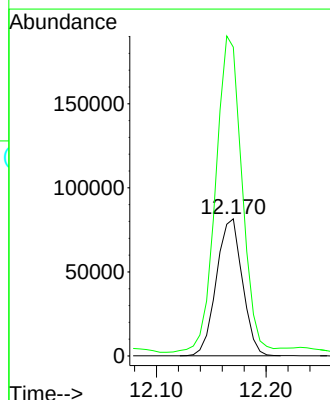
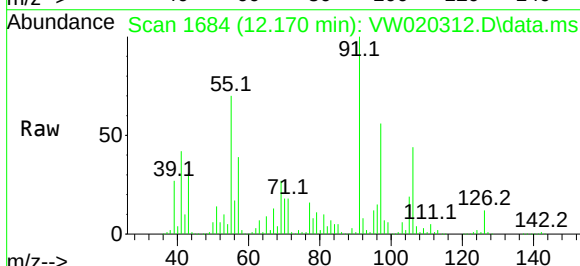
Manual Integrations
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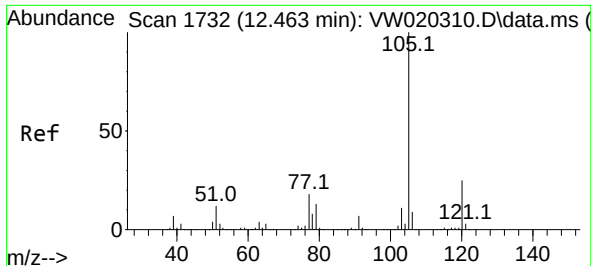
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10/11/2021 2:06:06 PM



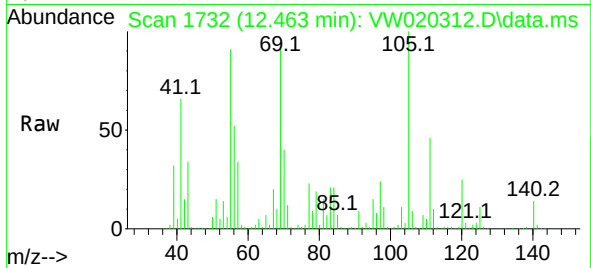
#54
o-Xylene
Concen: 33.543 ug/L
RT: 12.170 min Scan# 1684
Delta R.T. -0.000 min
Lab File: VW020312.D
Acq: 06 Oct 2021 13:11

Tgt Ion:106 Resp: 134254
Ion Ratio Lower Upper
106 100
91 225.1 156.1 289.9

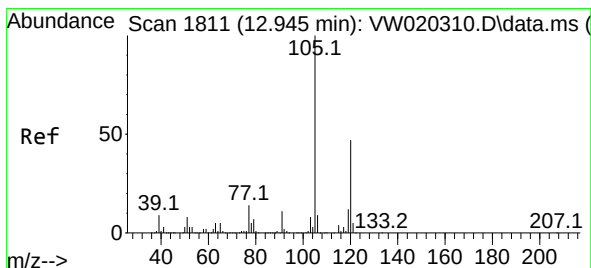
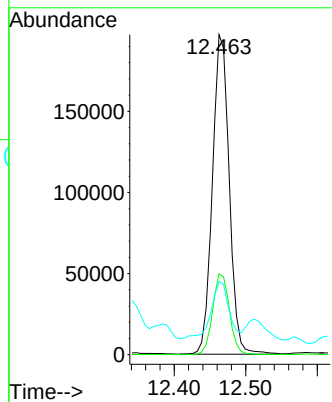
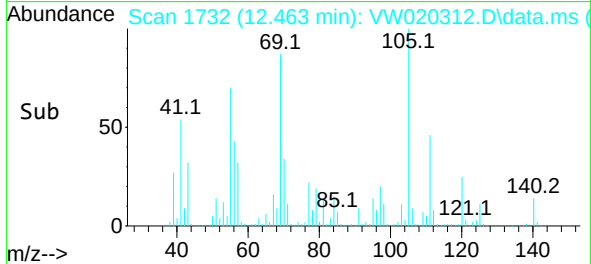




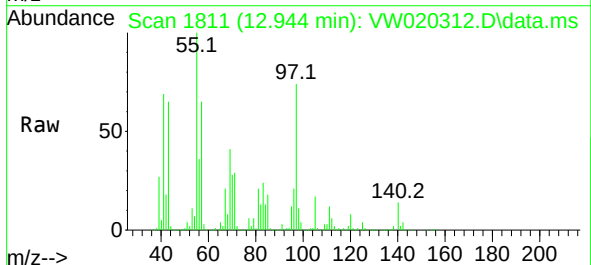
#60
Isopropylbenzene
Concen: 30.916 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. -0.000 min
Lab File: VW020312.D
Acq: 06 Oct 2021 13:11



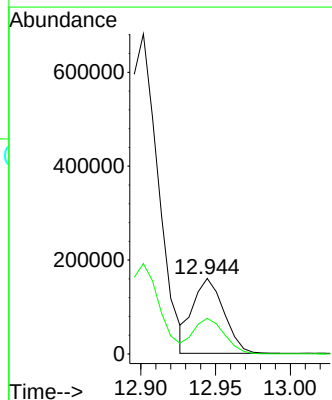
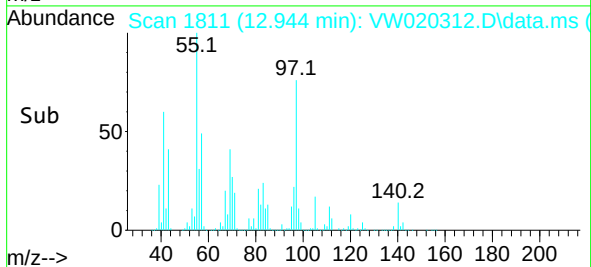
Tgt Ion:105 Resp: 321631
Ion Ratio Lower Upper
105 100
120 25.5 20.3 30.5
77 19.1 13.8 20.6



#62
1,3,5-Trimethylbenzene
Concen: 27.288 ug/L
RT: 12.944 min Scan# 1811
Delta R.T. -0.000 min
Lab File: VW020312.D
Acq: 06 Oct 2021 13:11



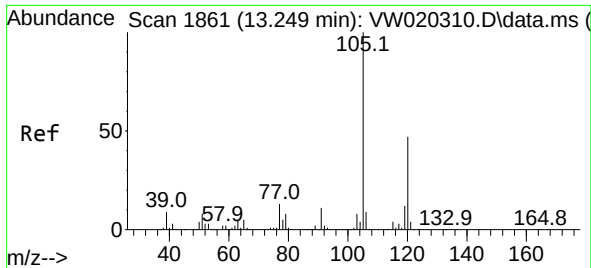
Tgt Ion:105 Resp: 229697
Ion Ratio Lower Upper
105 100
120 47.8 37.9 56.9



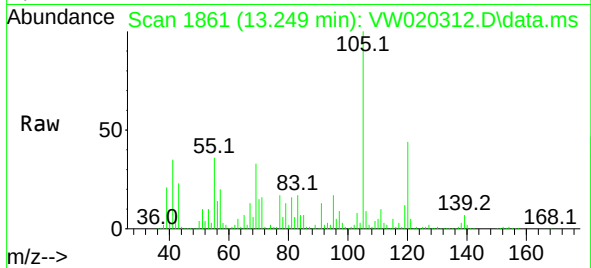
Instrument :
MSVOA_W
ClientSampleId :
EW8Y6

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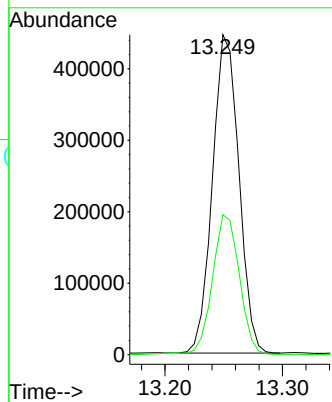
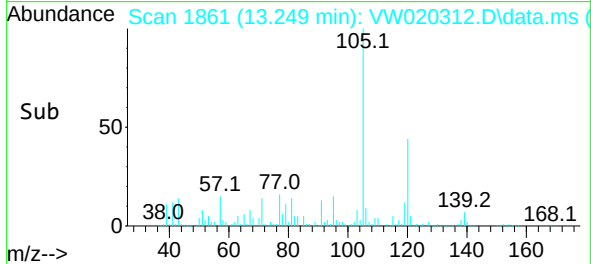
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#63
 1,2,4-Trimethylbenzene
 Concen: 82.742 ug/L
 RT: 13.249 min Scan# 1861
 Delta R.T. -0.000 min
 Lab File: VW020312.D
 Acq: 06 Oct 2021 13:11



Tgt Ion:105 Resp: 696054
 Ion Ratio Lower Upper
 105 100
 120 44.2 35.4 53.2



Instrument :
 MSVOA_W
 ClientSampleId :
 EW8Y6

Manual Integrations
 APPROVED

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