

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122921\
 Data File : VX026143.D
 Acq On : 29 Dec 2021 16:53
 Operator : JC/MD
 Sample : M5233-01DL 50X
 Misc : 10.51g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GBCC1DL

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/30/2021
 Supervised By : Semsettin Yesilyurt 01/03/2022

Quant Time: Dec 30 02:42:50 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM122821WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 30 02:39:24 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.769	114	194547	50.000	ug/L	0.00
28) Chlorobenzene-d5	10.055	117	168024	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	83311	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.374	65	73907	48.946	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	97.900%		
7) Chloroethane-d5	1.666	69	59478	54.185	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	108.360%		
11) 1,1-Dichloroethene-d2	2.312	63	108749	39.456	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	78.920%		
21) 2-Butanone-d5	4.458	46	110306	105.719	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	105.720%		
24) Chloroform-d	5.062	84	127026	49.535	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.080%		
26) 1,2-Dichloroethane-d4	5.958	65	89095	53.598	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	107.200%		
32) Benzene-d6	5.983	84	259725	53.615	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	107.240%		
36) 1,2-Dichloropropane-d6	7.312	67	81205	54.188	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	108.380%		
41) Toluene-d8	8.653	98	241697	54.708	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	109.420%		
43) trans-1,3-Dichloroprop...	8.951	79	37013	50.597	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	101.200%		
47) 2-Hexanone-d5	9.384	63	74850	107.095	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	107.100%		
56) 1,1,2,2-Tetrachloroeth...	11.195	84	105516	52.905	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	105.800%		
66) 1,2-Dichlorobenzene-d4	12.323	152	88648	55.781	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	111.560%		
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.325	101	2637m	2.068	ug/L	
12) 1,1-Dichloroethene	2.319	96	1955	1.648	ug/L #	1
19) 1,1-Dichloroethane	3.617	63	12197	5.308	ug/L	96
20) cis-1,2-Dichloroethene	4.495	96	17501	12.809	ug/L	97
29) Cyclohexane	5.477	56	4886	2.311	ug/L #	74
30) 1,1,1-Trichloroethane	5.391	97	85295	41.696	ug/L	98
33) Benzene	6.050	78	7409	1.493	ug/L	100
35) Methylcyclohexane	7.385	83	13832	6.866	ug/L	96
42) Toluene	8.720	91	346161	65.510	ug/L	95
46) Tetrachloroethene	9.275	164	2816	2.916	ug/L	93
52) Ethylbenzene	10.195	91	75874	13.659	ug/L	100
53) m,p-Xylene	10.305	106	100066	47.201	ug/L	95
54) o-Xylene	10.646	106	37112	18.021	ug/L	97
60) Isopropylbenzene	10.963	105	13227	2.367	ug/L	98
62) 1,3,5-Trimethylbenzene	11.451	105	41851	8.997	ug/L	99
63) 1,2,4-Trimethylbenzene	11.756	105	143095	30.508	ug/L	98
67) 1,2-Dichlorobenzene	12.335	146	4403	1.811	ug/L #	92

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

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

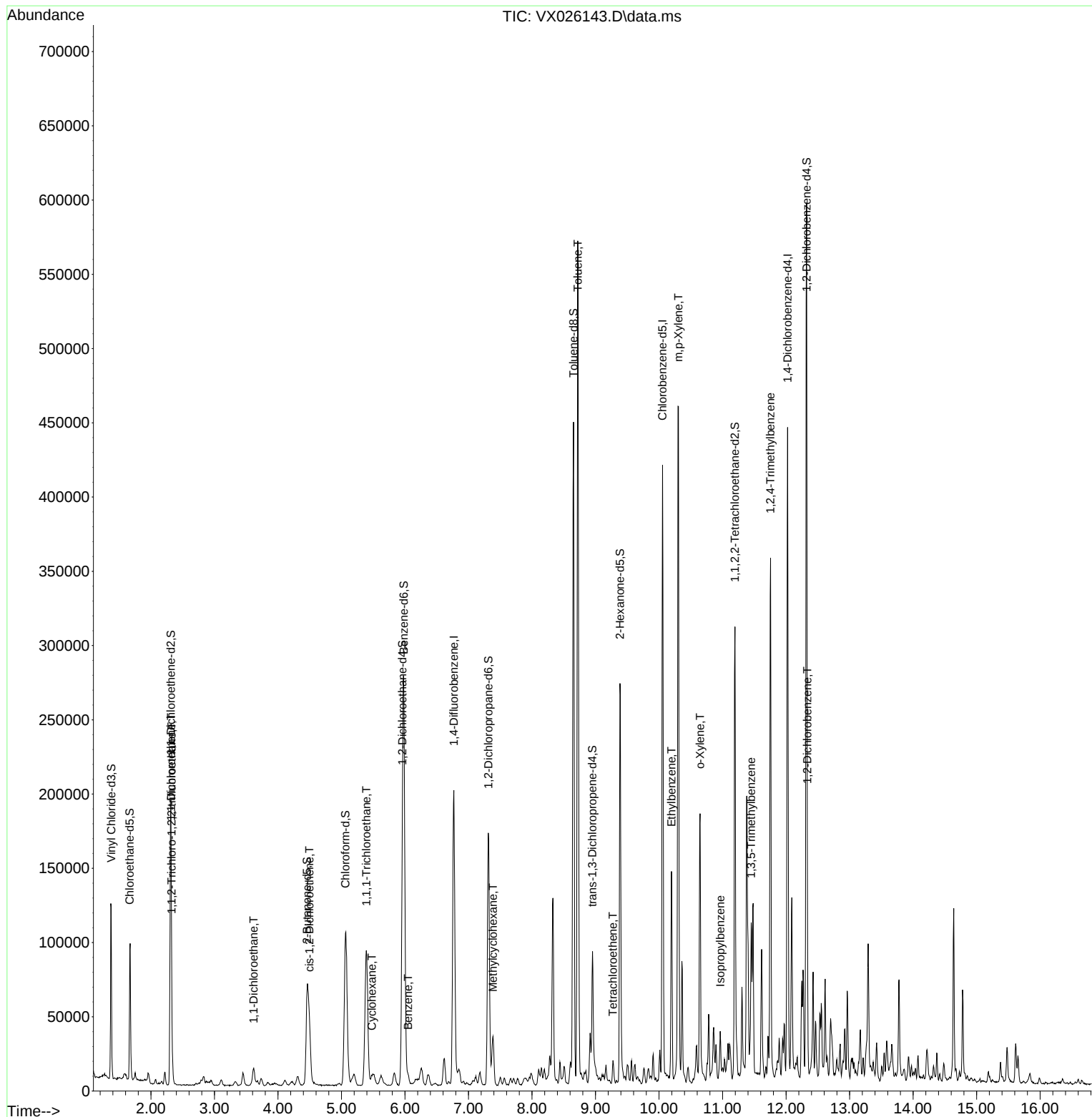
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Operator : JC/MD
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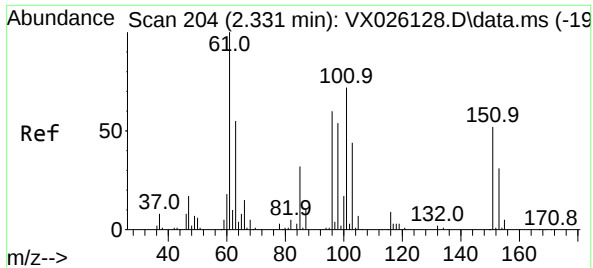
Instrument :
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Quant Time: Dec 30 02:42:50 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM122821WMA.M
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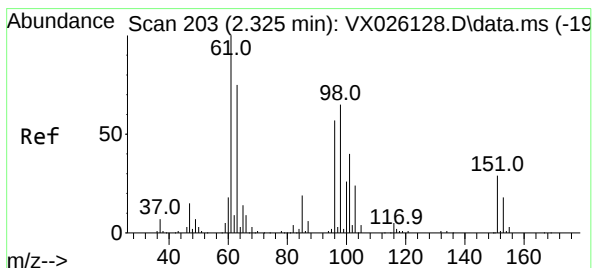
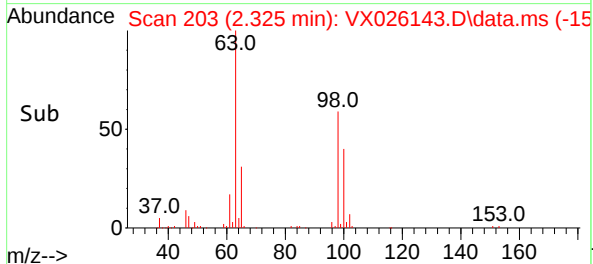
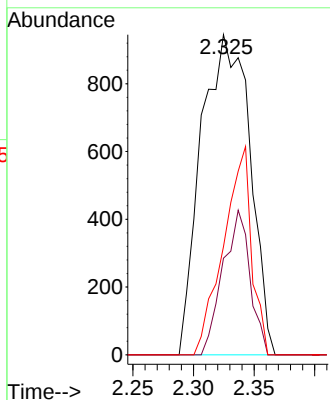
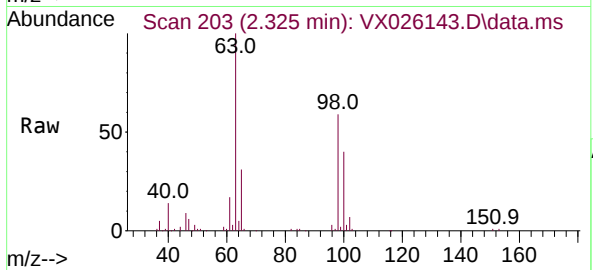
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.068 ug/L m
RT: 2.325 min Scan# 20
Delta R.T. -0.006 min
Lab File: VX026143.D
Acq: 29 Dec 2021 16:53

Instrument :
MSVOA_X
ClientSampleId :
GBCC1DL

Tgt Ion:101 Resp: 263
Ion Ratio Lower Upper
101 100
85 25.2 36.6 55.0
151 37.6 58.5 87.7

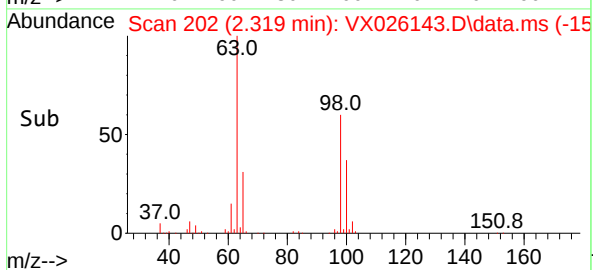
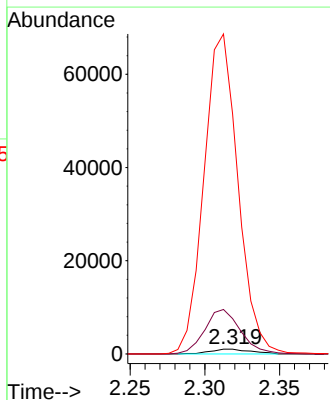
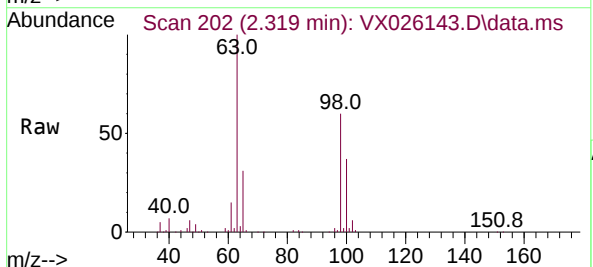
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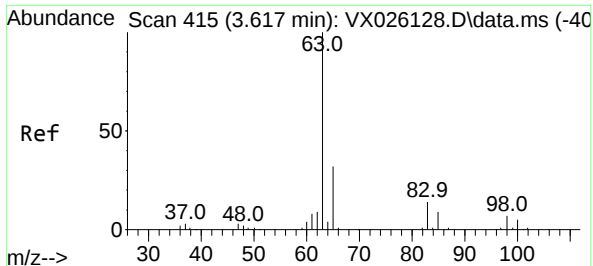
Reviewed By :John Carlone 12/30/2021
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#12
1,1-Dichloroethene
Concen: 1.648 ug/L
RT: 2.319 min Scan# 202
Delta R.T. -0.006 min
Lab File: VX026143.D
Acq: 29 Dec 2021 16:53

Tgt Ion: 96 Resp: 1955
Ion Ratio Lower Upper
96 100
61 733.8 121.6 225.8#
63 4980.3 86.7 161.1#





#19

1,1-Dichloroethane

Concen: 5.308 ug/L

RT: 3.617 min Scan# 415

Delta R.T. 0.000 min

Lab File: VX026143.D

Acq: 29 Dec 2021 16:53

Instrument :

MSVOA_X

ClientSampleId :

GBCC1DL

Tgt Ion: 63 Resp: 1219

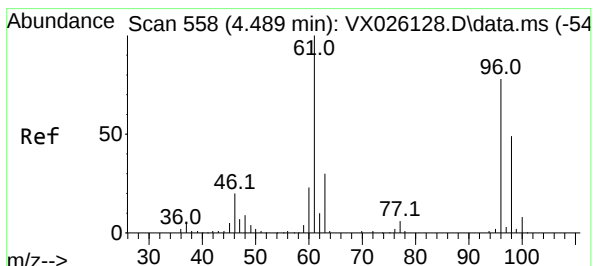
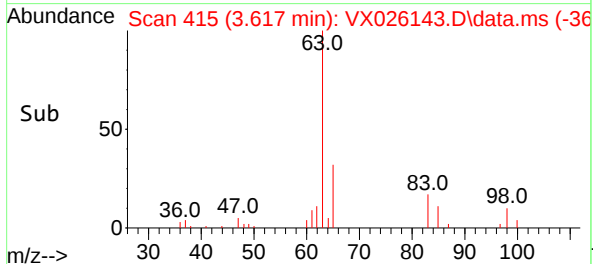
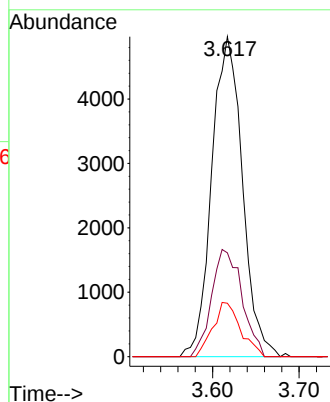
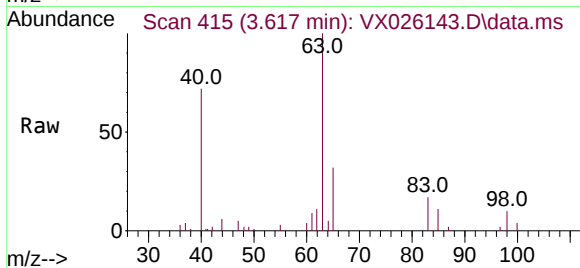
Ion	Ratio	Lower	Upper
63	100		
65	32.4	21.8	40.6
83	16.7	9.7	17.9

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#20

cis-1,2-Dichloroethene

Concen: 12.809 ug/L

RT: 4.495 min Scan# 559

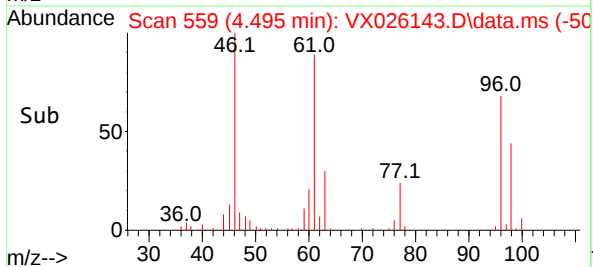
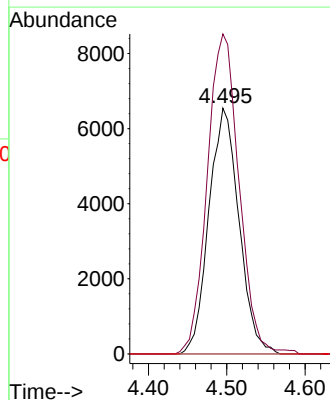
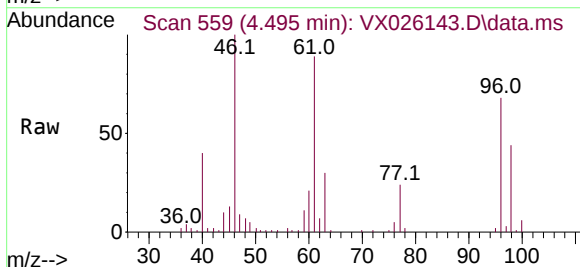
Delta R.T. 0.006 min

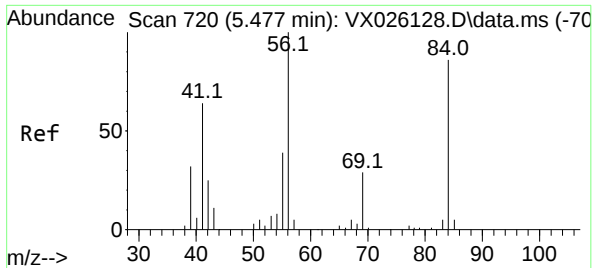
Lab File: VX026143.D

Acq: 29 Dec 2021 16:53

Tgt Ion: 96 Resp: 17501

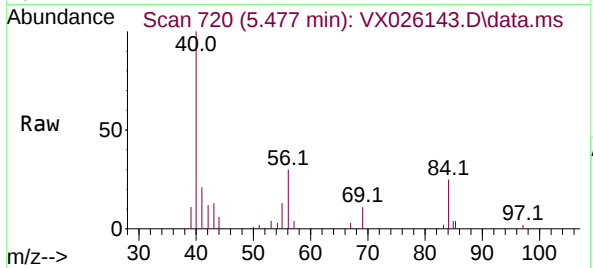
Ion	Ratio	Lower	Upper
96	100		
61	130.2	88.8	165.0
68	0.0	0.0	0.0





#29
Cyclohexane
Concen: 2.311 ug/L
RT: 5.477 min Scan# 706
Delta R.T. -0.000 min
Lab File: VX026143.D
Acq: 29 Dec 2021 16:53

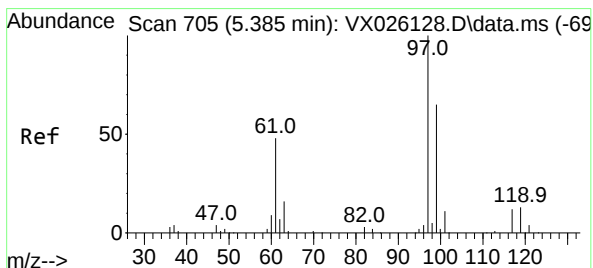
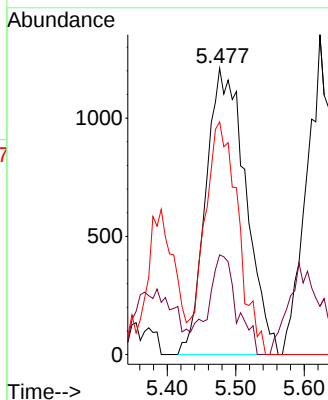
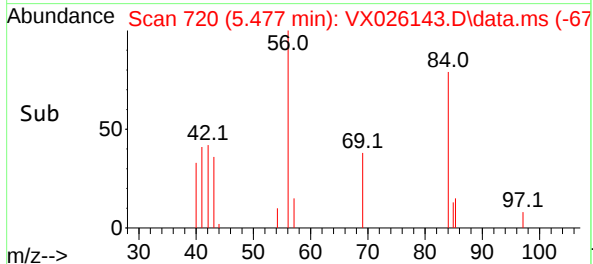
Instrument :
MSVOA_X
ClientSampleId :
GBCC1DL



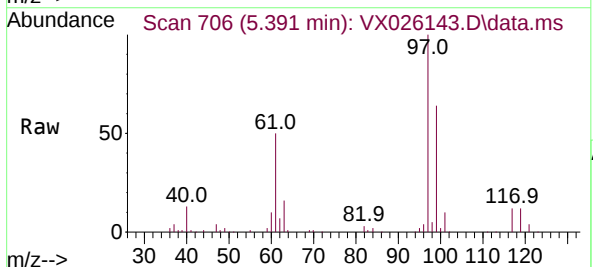
Tgt Ion: 56 Resp: 4880
Ion Ratio Lower Upper
56 100
69 13.4 23.9 35.9
84 64.3 69.4 104.2

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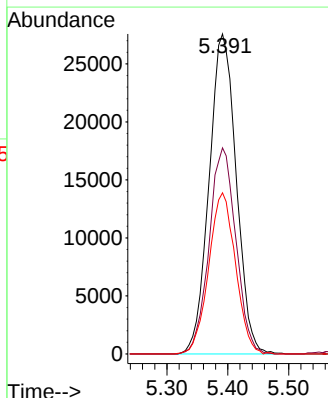
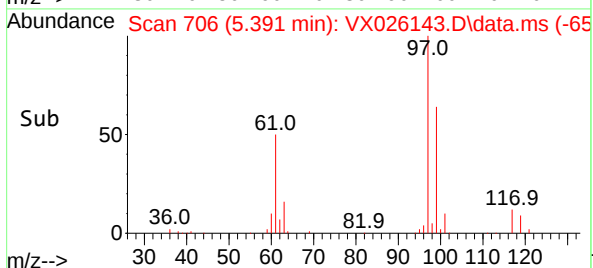
Reviewed By :John Carlone 12/30/2021
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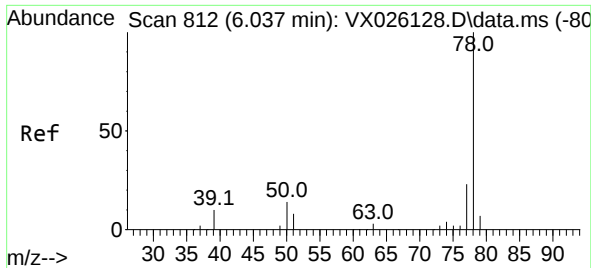


#30
1,1,1-Trichloroethane
Concen: 41.696 ug/L
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX026143.D
Acq: 29 Dec 2021 16:53



Tgt Ion: 97 Resp: 85295
Ion Ratio Lower Upper
97 100
99 63.6 51.6 77.4
61 49.8 38.3 57.5





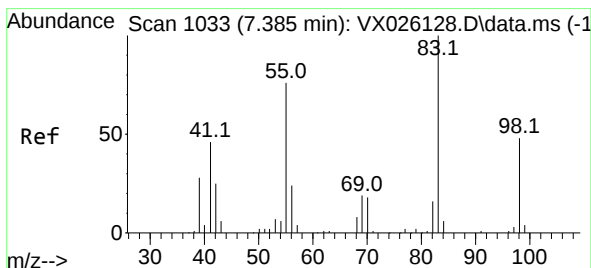
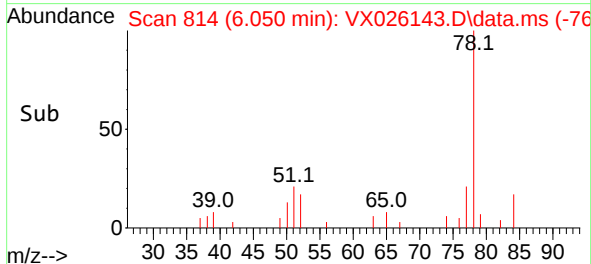
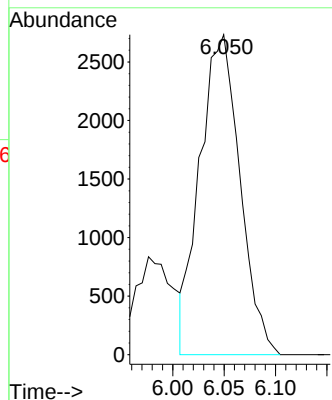
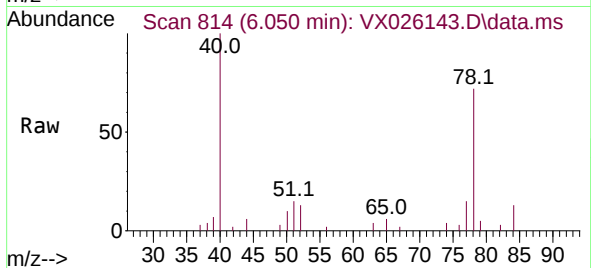
#33
Benzene
Concen: 1.493 ug/L
RT: 6.050 min Scan# 812
Delta R.T. 0.012 min
Lab File: VX026143.D
Acq: 29 Dec 2021 16:53

Instrument :
MSVOA_X
ClientSampleId :
GBCC1DL

Tgt Ion: 78 Resp: 7409

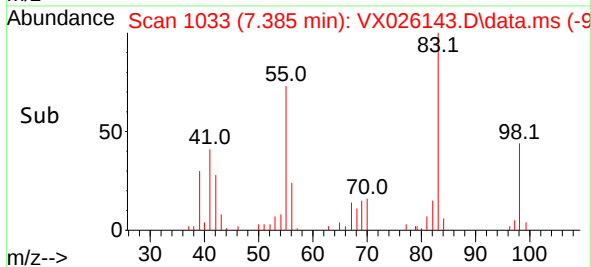
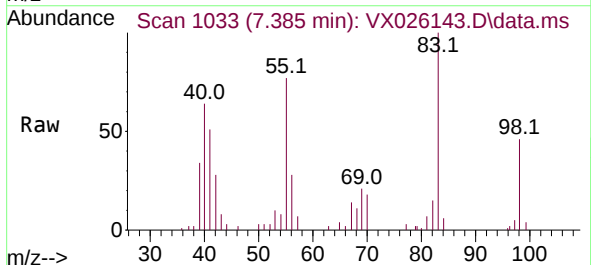
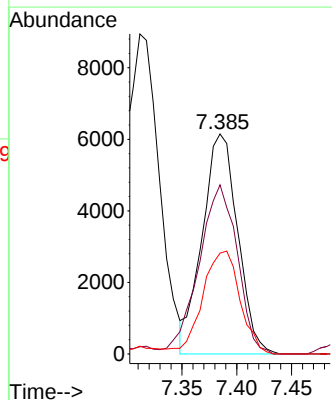
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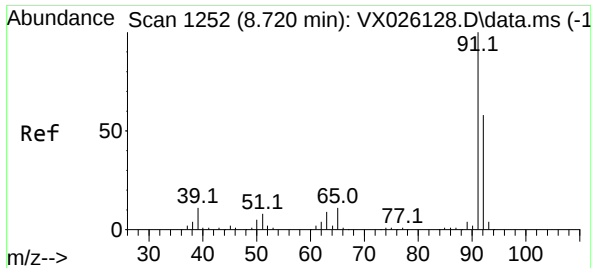
Reviewed By :John Carlone 12/30/2021
Supervised By :Semsettin Yesilyurt 01/03/2022



#35
Methylcyclohexane
Concen: 6.866 ug/L
RT: 7.385 min Scan# 1033
Delta R.T. 0.000 min
Lab File: VX026143.D
Acq: 29 Dec 2021 16:53

Tgt Ion: 83 Resp: 13832
Ion Ratio Lower Upper
83 100
55 83.0 62.9 94.3
98 48.9 40.6 61.0





#42

Toluene

Concen: 65.510 ug/L

RT: 8.720 min Scan# 1252

Delta R.T. -0.000 min

Lab File: VX026143.D

Acq: 29 Dec 2021 16:53

Instrument :

MSVOA_X

ClientSampleId :

GBCC1DL

Tgt Ion: 91 Resp: 34616

Ion Ratio Lower Upper

91 100

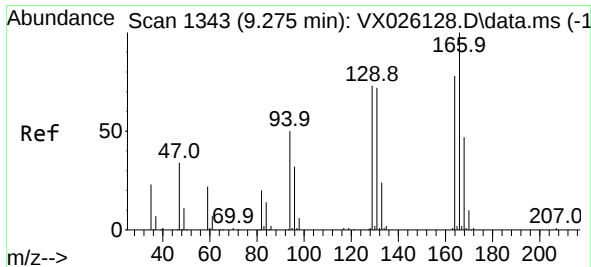
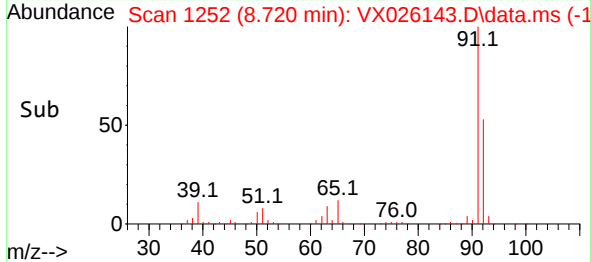
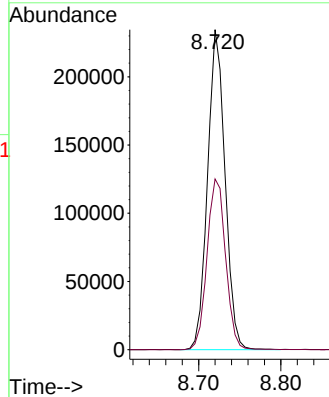
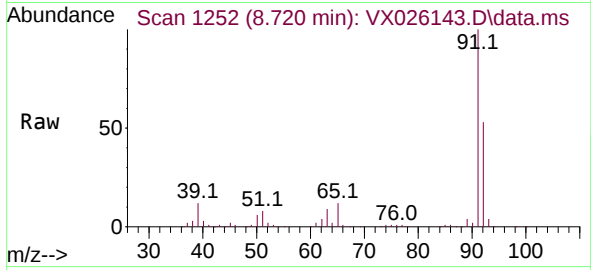
92 53.3 40.1 74.5

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#46

Tetrachloroethene

Concen: 2.916 ug/L

RT: 9.275 min Scan# 1343

Delta R.T. -0.000 min

Lab File: VX026143.D

Acq: 29 Dec 2021 16:53

Tgt Ion:164 Resp: 2816

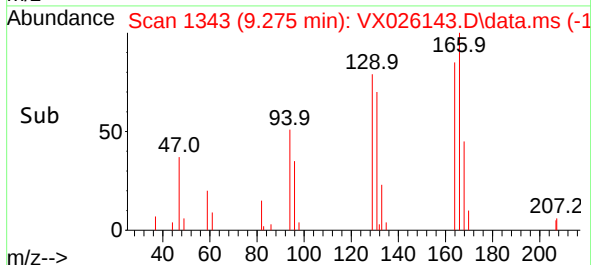
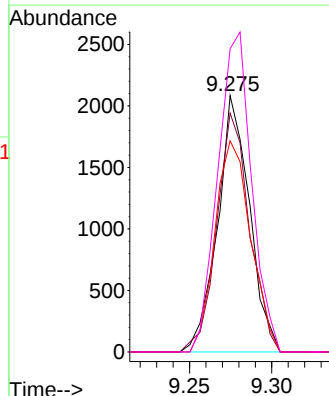
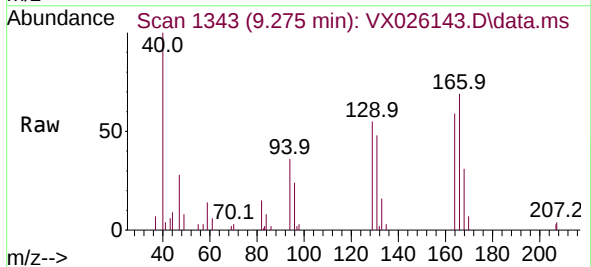
Ion Ratio Lower Upper

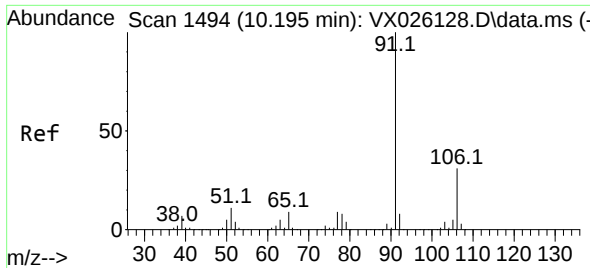
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129 93.2 66.3 123.1

131 82.4 63.6 118.0

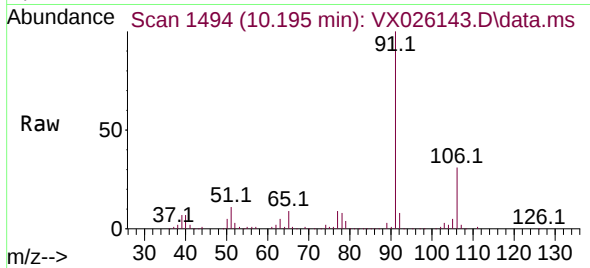
166 118.3 90.4 167.8





#52
Ethylbenzene
Concen: 13.659 ug/L
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX026143.D
Acq: 29 Dec 2021 16:53

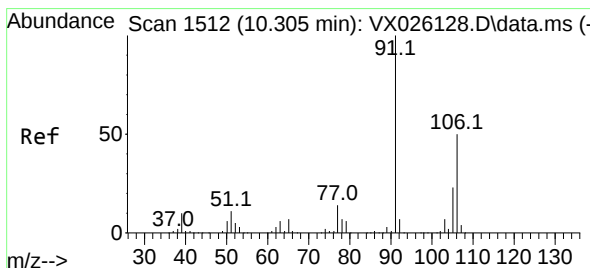
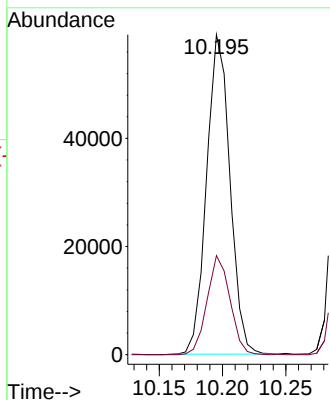
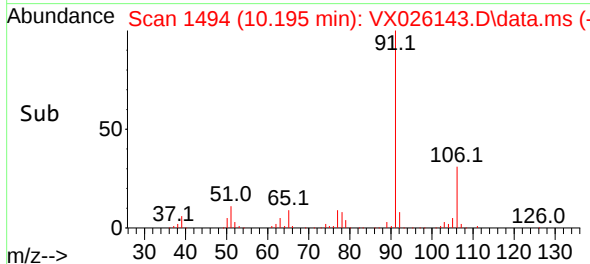
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MSVOA_X
ClientSampleId :
GBCC1DL



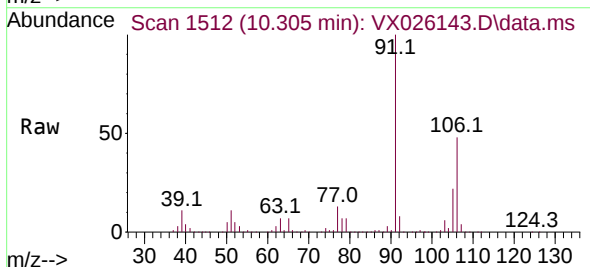
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Ion Ratio Lower Upper
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Manual Integrations
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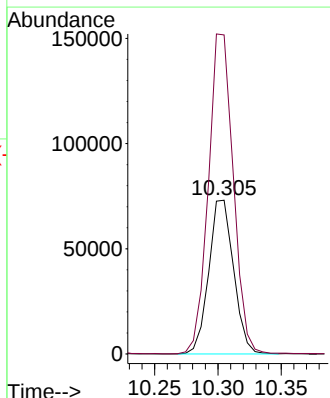
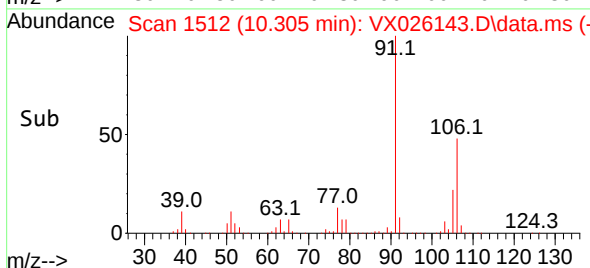
Reviewed By :John Carlone 12/30/2021
Supervised By :Semsettin Yesilyurt 01/03/2022

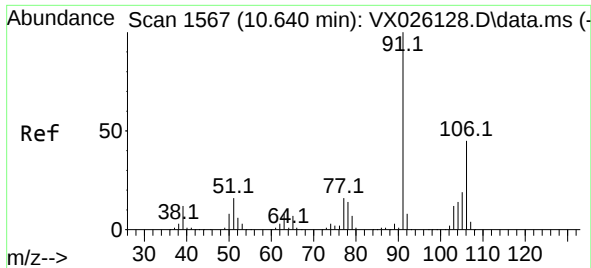


#53
m,p-Xylene
Concen: 47.201 ug/L
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX026143.D
Acq: 29 Dec 2021 16:53



Tgt Ion:106 Resp: 100066
Ion Ratio Lower Upper
106 100
91 207.5 139.7 259.5





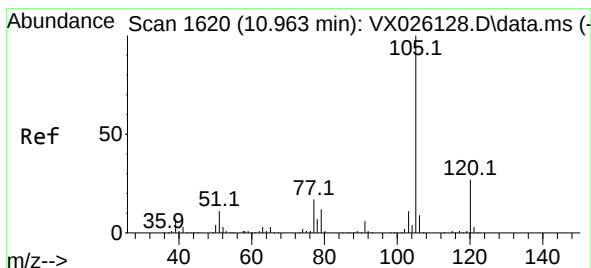
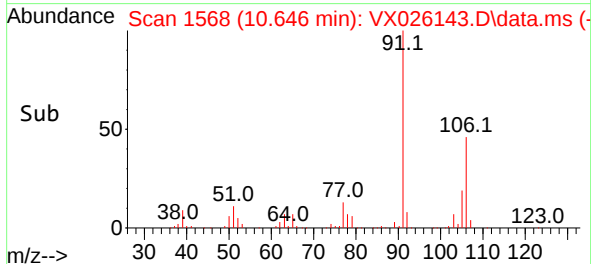
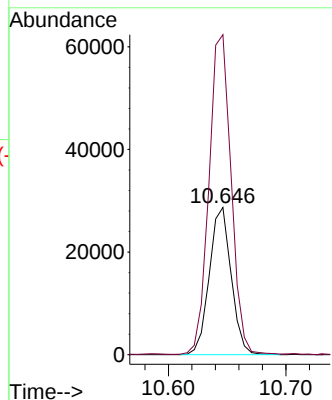
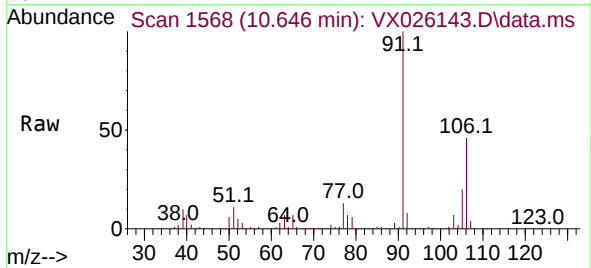
#54
o-Xylene
Concen: 18.021 ug/L
RT: 10.646 min Scan# 1567
Delta R.T. 0.006 min
Lab File: VX026143.D
Acq: 29 Dec 2021 16:53

Instrument :
MSVOA_X
ClientSampleId :
GBCC1DL

Tgt Ion:106 Resp: 3711
Ion Ratio Lower Upper
106 100
91 217.3 149.1 276.9

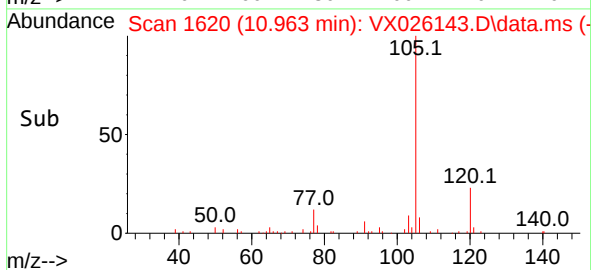
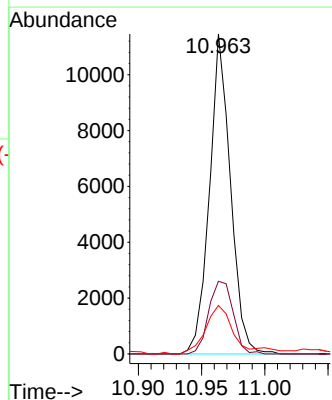
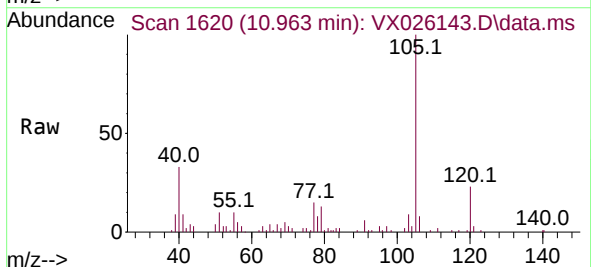
Manual Integrations
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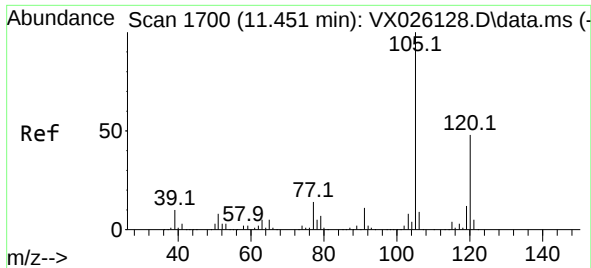
Reviewed By :John Carlone 12/30/2021
Supervised By :Semsettin Yesilyurt 01/03/2022



#60
Isopropylbenzene
Concen: 2.367 ug/L
RT: 10.963 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VX026143.D
Acq: 29 Dec 2021 16:53

Tgt Ion:105 Resp: 13227
Ion Ratio Lower Upper
105 100
120 26.3 21.2 31.8
77 18.8 13.2 19.8





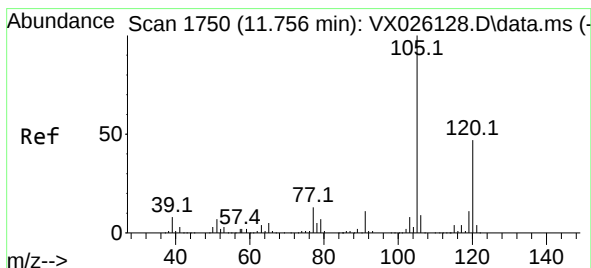
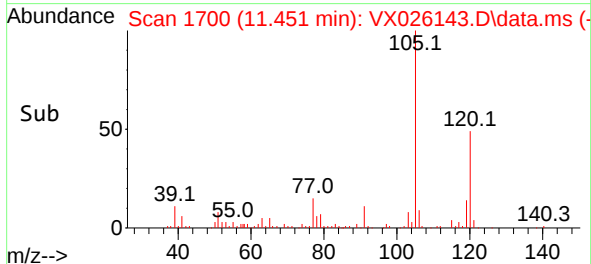
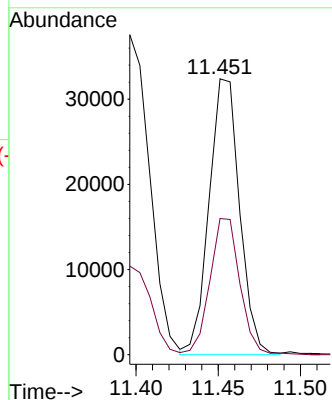
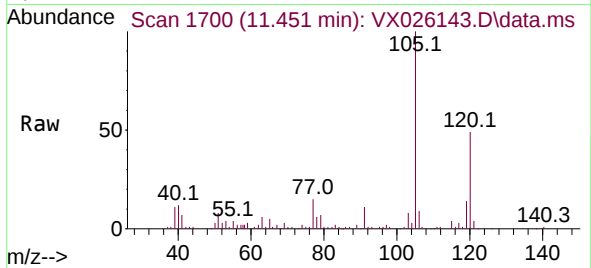
#62
1,3,5-Trimethylbenzene
Concen: 8.997 ug/L
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX026143.D
Acq: 29 Dec 2021 16:53

Instrument :
MSVOA_X
ClientSampleId :
GBCC1DL

Tgt Ion:105 Resp: 4185
Ion Ratio Lower Upper
105 100
120 47.1 38.3 57.5

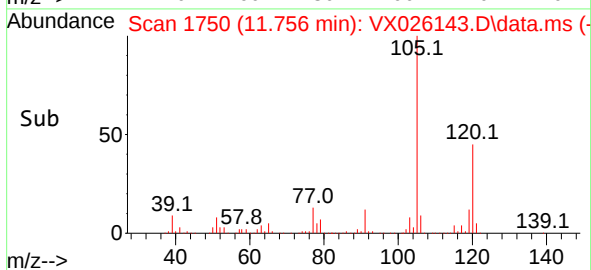
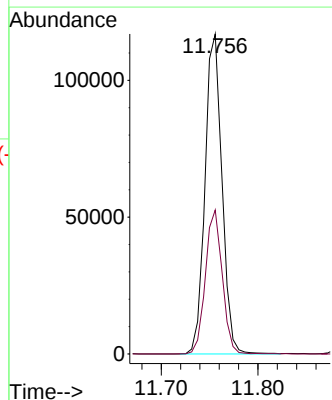
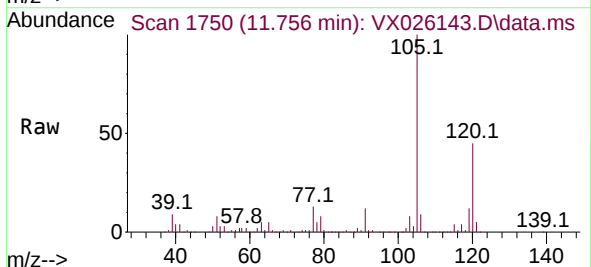
Manual Integrations
APPROVED

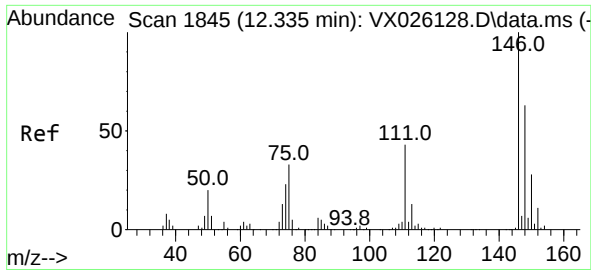
Reviewed By :John Carlone 12/30/2021
Supervised By :Semsettin Yesilyurt 01/03/2022



#63
1,2,4-Trimethylbenzene
Concen: 30.508 ug/L
RT: 11.756 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VX026143.D
Acq: 29 Dec 2021 16:53

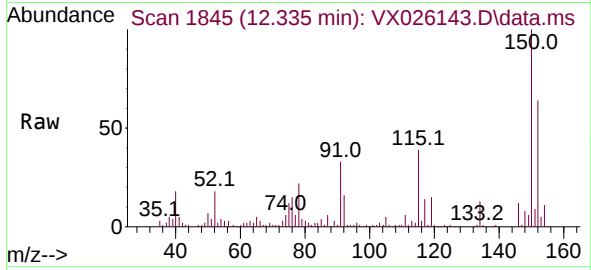
Tgt Ion:105 Resp: 143095
Ion Ratio Lower Upper
105 100
120 44.3 36.5 54.7





#67
 1,2-Dichlorobenzene
 Concen: 1.811 ug/L
 RT: 12.335 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX026143.D
 Acq: 29 Dec 2021 16:53

Instrument :
 MSVOA_X
 ClientSampleId :
 GBCC1DL



Tgt Ion:146 Resp: 440
 Ion Ratio Lower Upper
 146 100
 111 50.3 33.1 49.7
 148 65.0 49.6 74.4

Manual Integrations
 APPROVED

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 Supervised By :Semsettin Yesilyurt 01/03/2022

