

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042022\
 Data File : VX028209.D
 Acq On : 20 Apr 2022 19:41
 Operator : JC/MD
 Sample : N2459-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 31576

Quant Time: Apr 21 06:16:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 19 13:38:04 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 04/21/2022
 Supervised By : Mahesh Dadoda 04/21/2022

04/21/2022
 Supervised By : Mahesh
 Dadoda

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	Dadoda
Internal Standards							04/21/2022
1) Pentafluorobenzene	5.556	168	383444	50.000	ug/l	0.00	Supervised By :Mahesh Dadoda
34) 1,4-Difluorobenzene	6.763	114	658382	50.000	ug/l	0.00	
63) Chlorobenzene-d5	10.055	117	625345	50.000	ug/l	0.00	
72) 1,4-Dichlorobenzene-d4	12.024	152	340128	50.000	ug/l	0.00	
System Monitoring Compounds							04/21/2022
33) 1,2-Dichloroethane-d4	5.958	65	266476	53.299	ug/l	0.00	
Spiked Amount	50.000	Range	61 - 141	Recovery	= 106.600%		
35) Dibromofluoromethane	5.391	113	245144	53.094	ug/l	0.00	
Spiked Amount	50.000	Range	69 - 133	Recovery	= 106.180%		
50) Toluene-d8	8.653	98	884231	49.862	ug/l	0.00	
Spiked Amount	50.000	Range	65 - 126	Recovery	= 99.720%		
62) 4-Bromofluorobenzene	11.079	95	342134	50.458	ug/l	0.00	
Spiked Amount	50.000	Range	58 - 135	Recovery	= 100.920%		
Target Compounds							Qvalue
16) Acetone	2.374	43	60985	38.757	ug/l	98	
18) Methyl Acetate	2.703	43	1104	0.248	ug/l #	59	
22) Diisopropyl ether	3.757	45	7870	0.699	ug/l #	96	
25) 2-Butanone	4.568	43	15500	5.235	ug/l	93	
29) Tetrahydrofuran	5.025	42	2608	1.351	ug/l	94	
31) Cyclohexane	5.477	56	19276	3.165	ug/l	89	
39) Methylcyclohexane	7.385	83	14134	1.860	ug/l #	91	
40) Benzene	6.044	78	70839	4.018	ug/l	98	
51) 4-Methyl-2-Pentanone	8.580	43	5732	0.898	ug/l	91	
52) Toluene	8.720	92	122965	10.040	ug/l	99	
59) 2-Hexanone	9.433	43	3187	0.645	ug/l	87	
67) Ethyl Benzene	10.195	91	75749	3.388	ug/l	97	
68) m/p-Xylenes	10.305	106	1008172	110.799	ug/l	95	
69) o-Xylene	10.640	106	850738	93.777	ug/l	95	
73) Isopropylbenzene	10.963	105	8653	0.370	ug/l	99	
78) n-propylbenzene	11.305	91	11562	0.446	ug/l #	52	
80) 1,3,5-Trimethylbenzene	11.451	105	726245	36.596	ug/l	97	
84) 1,2,4-Trimethylbenzene	11.756	105	1740247	88.218	ug/l	96	
85) sec-Butylbenzene	11.890	105	16509m	0.675	ug/l		
86) p-Isopropyltoluene	12.012	119	29433	1.396	ug/l	96	
95) Naphthalene	13.774	128	133691	5.937	ug/l #	95	

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

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Instrument :
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ClientSampleId :
31576

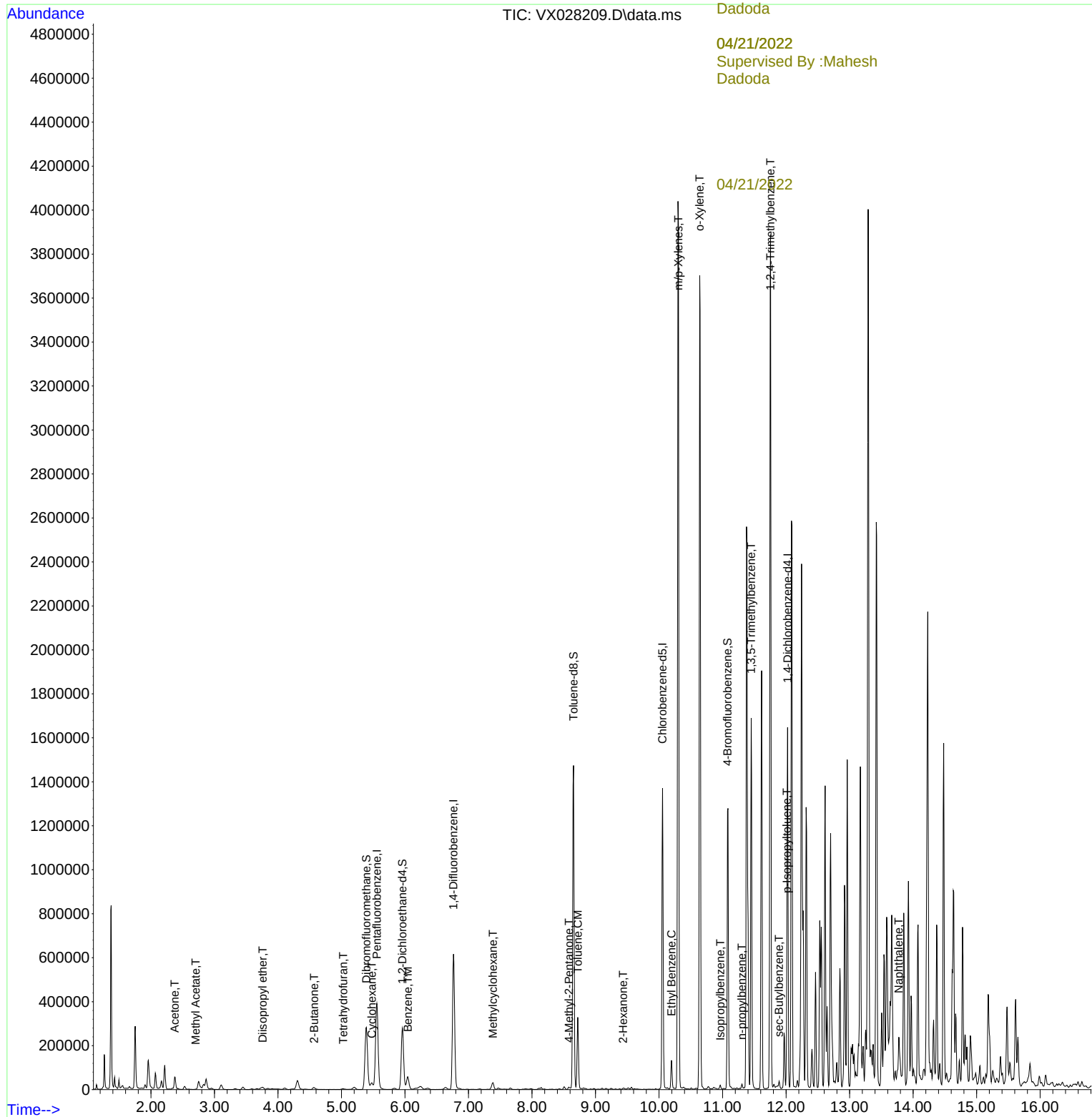
Quant Time: Apr 21 06:16:34 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 19 13:38:04 2022
Response via : Initial Calibration

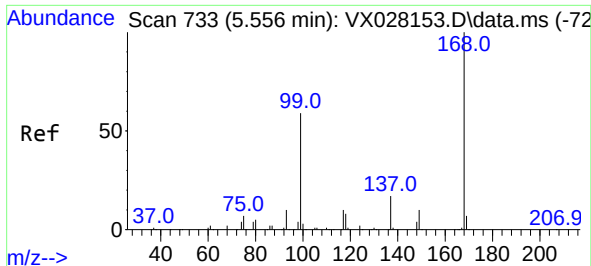
Manual Integrations APPROVED

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Supervised By :Mahesh Dadoda 04/21/2022

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Dadoda

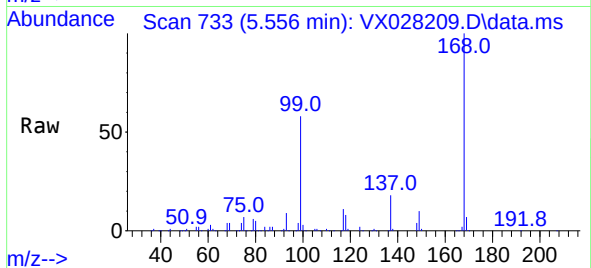
04/21/2022
Supervised By :Mahesh
Dadoda





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028209.D
Acq: 20 Apr 2022 19:41

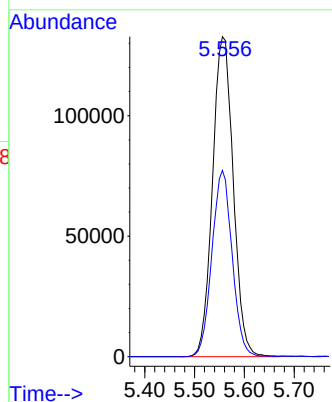
Instrument :
MSVOA_X
ClientSampleId :
31576



Tgt Ion:168 Resp: 38344
Ion Ratio Lower Upper
168 100
99 58.2 41.7 62.5

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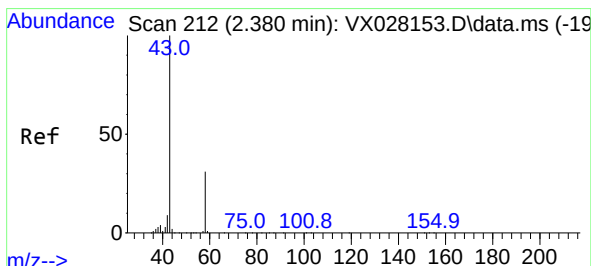
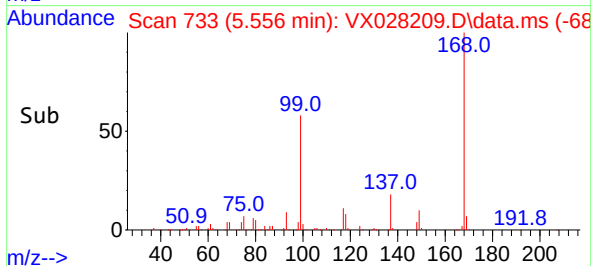
Reviewed By :John Carlone 04/21/2022
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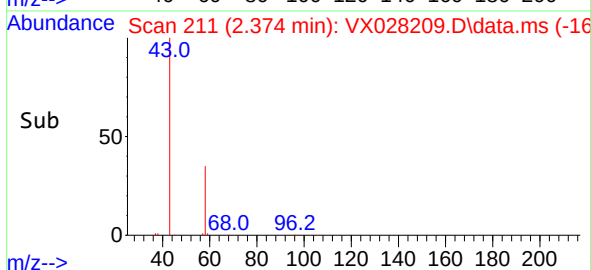
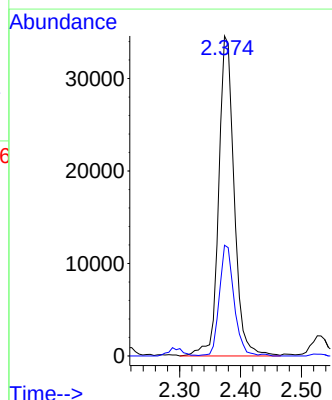
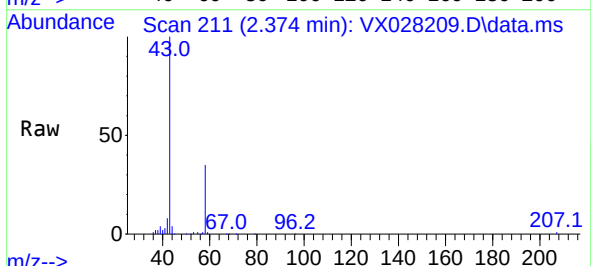
04/21/2022
Supervised By :Mahesh
Dadoda

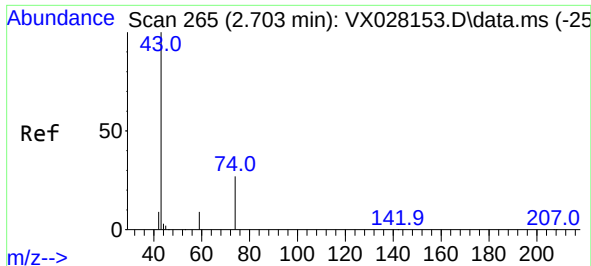
04/21/2022



#16
Acetone
Concen: 38.757 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.006 min
Lab File: VX028209.D
Acq: 20 Apr 2022 19:41

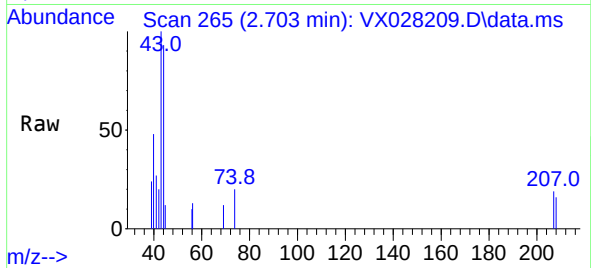
Tgt Ion: 43 Resp: 60985
Ion Ratio Lower Upper
43 100
58 34.6 28.8 43.2





#18
Methyl Acetate
Concen: 0.248 ug/l
RT: 2.703 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VX028209.D
Acq: 20 Apr 2022 19:41

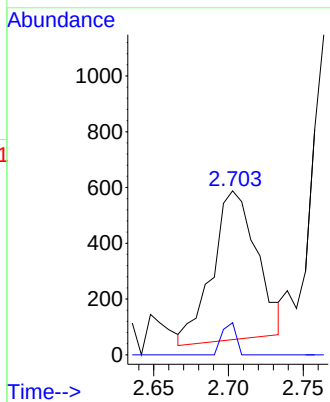
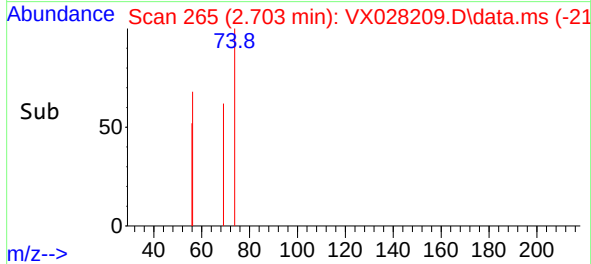
Instrument :
MSVOA_X
ClientSampleId :
31576



Tgt Ion: 43 Resp: 1104
Ion Ratio Lower Upper
43 100
74 6.8 22.8 34.2

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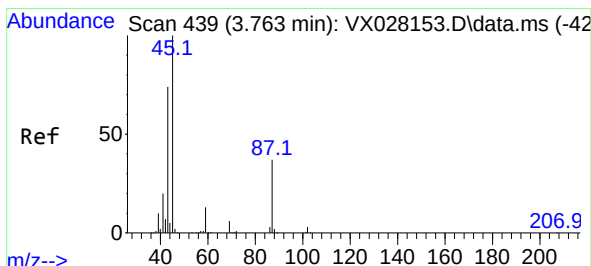
Reviewed By :John Carlone 04/21/2022
Supervised By :Mahesh Dadoda 04/21/2022



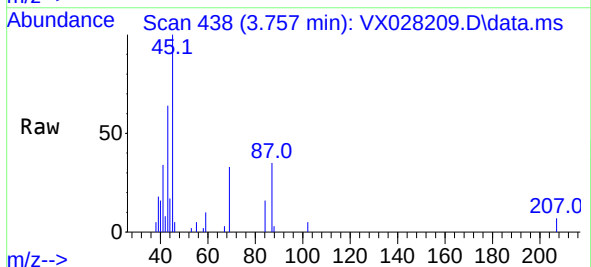
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Dadoda

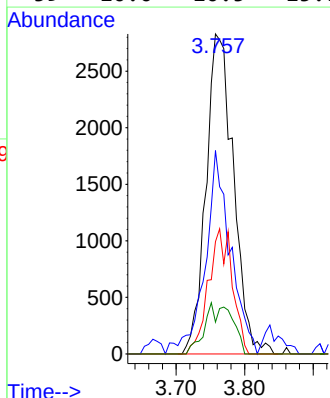
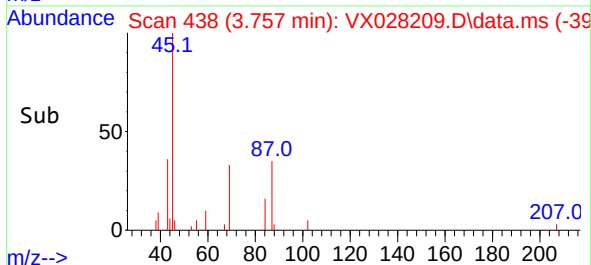
04/21/2022

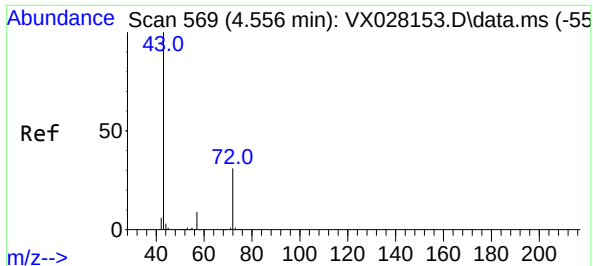


#22
Diisopropyl ether
Concen: 0.699 ug/l
RT: 3.757 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX028209.D
Acq: 20 Apr 2022 19:41



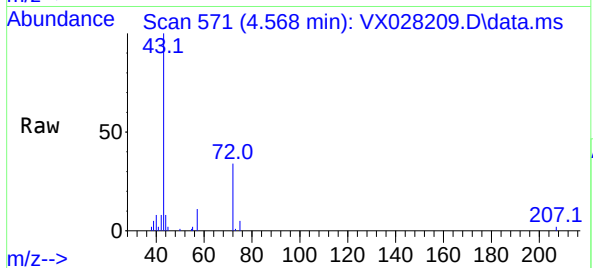
Tgt Ion: 45 Resp: 7870
Ion Ratio Lower Upper
45 100
43 60.9 50.8 76.2
87 35.1 26.6 39.8
59 10.0 10.5 15.7





#25
2-Butanone
Concen: 5.235 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX028209.D
Acq: 20 Apr 2022 19:41

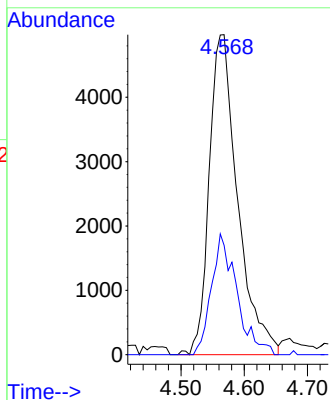
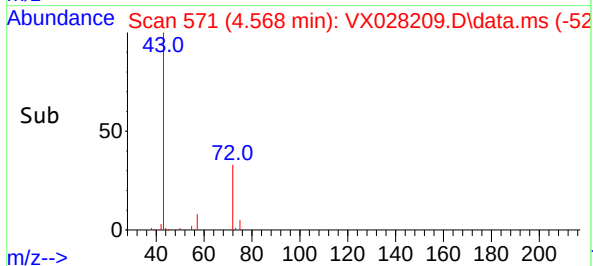
Instrument :
MSVOA_X
ClientSampleId :
31576



Tgt Ion: 43 Resp: 15500
Ion Ratio Lower Upper
43 100
72 34.2 24.4 36.6

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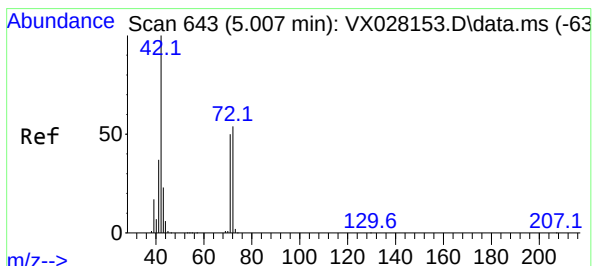
Reviewed By :John Carlone 04/21/2022
Supervised By :Mahesh Dadoda 04/21/2022



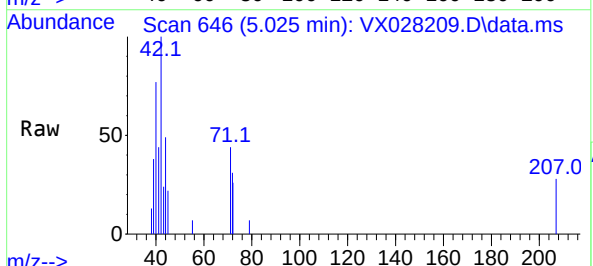
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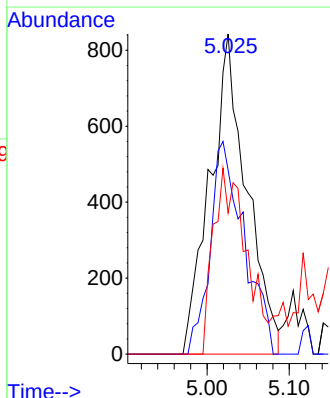
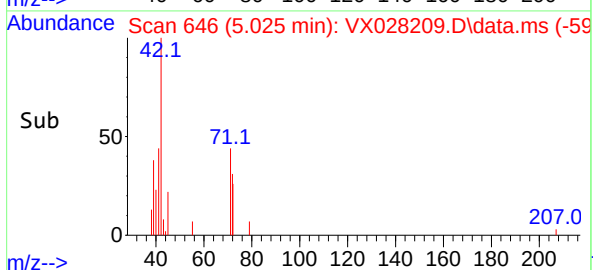
04/21/2022

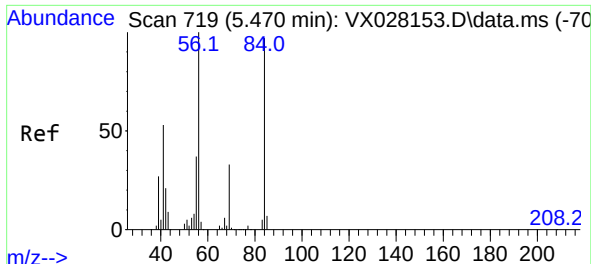


#29
Tetrahydrofuran
Concen: 1.351 ug/l
RT: 5.025 min Scan# 646
Delta R.T. 0.018 min
Lab File: VX028209.D
Acq: 20 Apr 2022 19:41



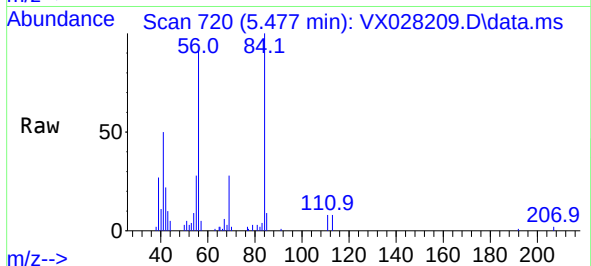
Tgt Ion: 42 Resp: 2608
Ion Ratio Lower Upper
42 100
72 61.5 44.1 66.1
71 52.3 40.5 60.7





#31
Cyclohexane
Concen: 3.165 ug/l
RT: 5.477 min Scan# 719
Delta R.T. 0.007 min
Lab File: VX028209.D
Acq: 20 Apr 2022 19:41

Instrument :
MSVOA_X
ClientSampleId :
31576



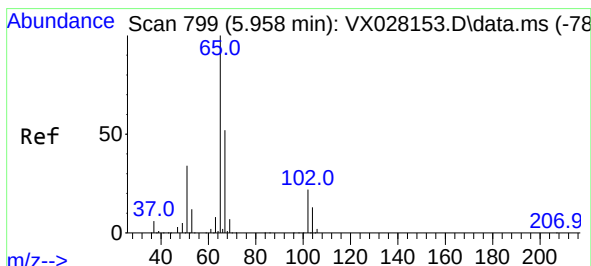
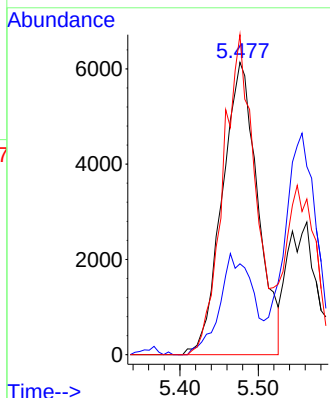
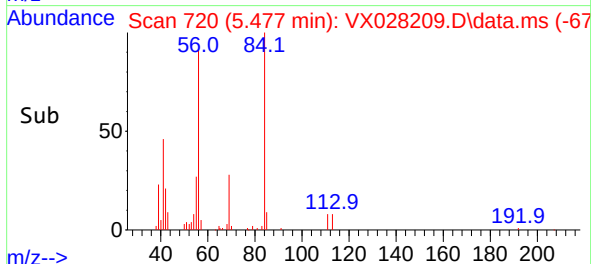
Tgt Ion: 56 Resp: 19270
Ion Ratio Lower Upper
56 100
69 31.1 26.7 40.1
84 109.5 77.2 115.8

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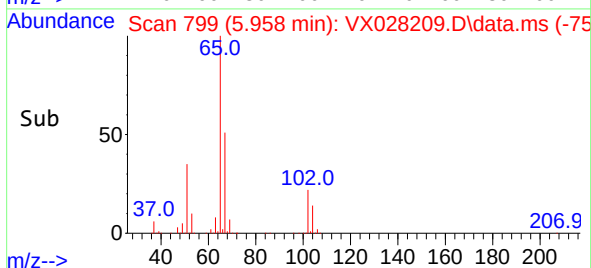
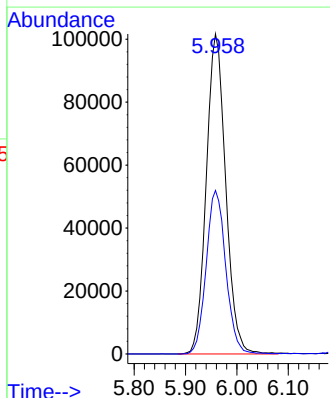
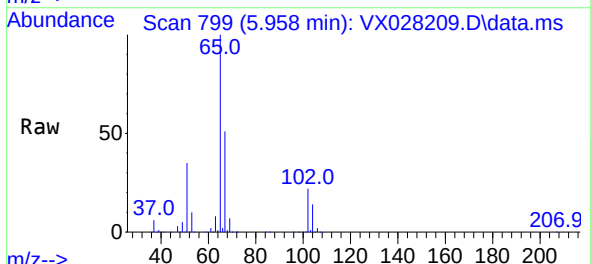
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Dadoda

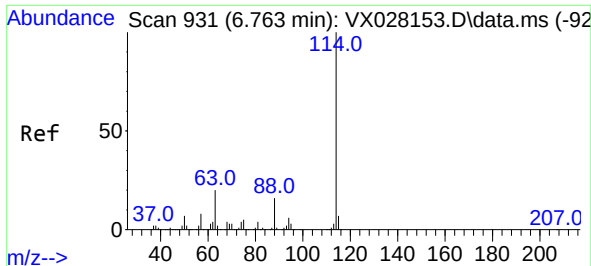
04/21/2022
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#33
1,2-Dichloroethane-d4
Concen: 53.299 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028209.D
Acq: 20 Apr 2022 19:41

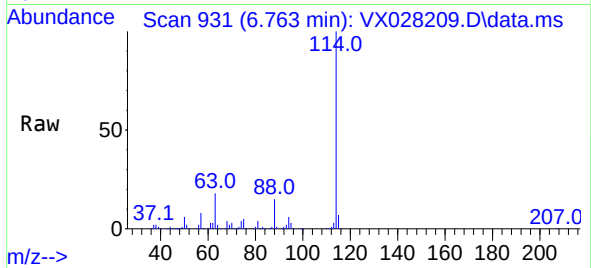
Tgt Ion: 65 Resp: 266476
Ion Ratio Lower Upper
65 100
67 51.6 0.0 107.4





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX028209.D
Acq: 20 Apr 2022 19:41

Instrument :
MSVOA_X
ClientSampleId :
31576



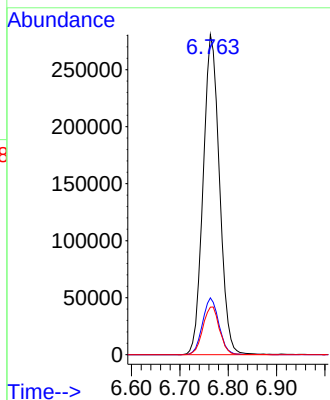
Tgt Ion:114 Resp: 65838
Ion Ratio Lower Upper
114 100
63 17.7 0.0 36.8
88 14.8 0.0 32.4

Manual Integrations APPROVED

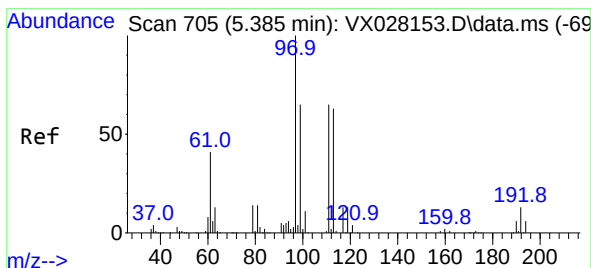
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04/21/2022
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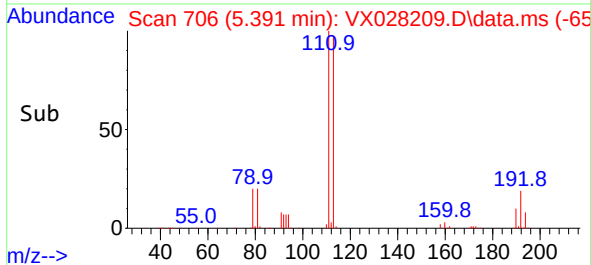
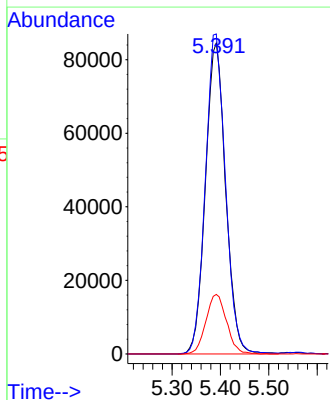
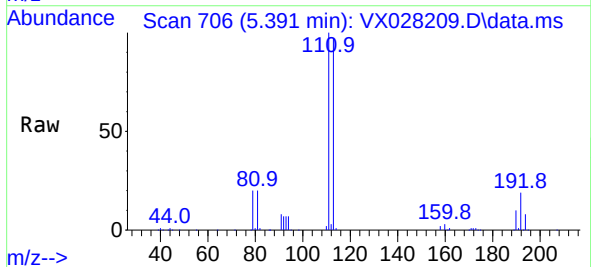


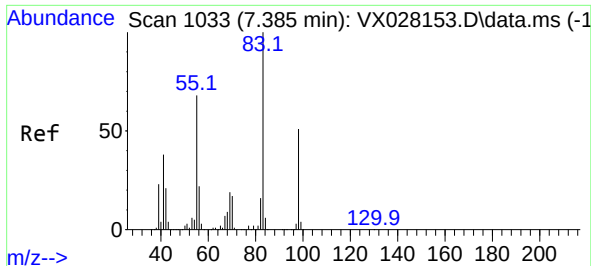
04/21/2022



#35
Dibromofluoromethane
Concen: 53.094 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX028209.D
Acq: 20 Apr 2022 19:41

Tgt Ion:113 Resp: 245144
Ion Ratio Lower Upper
113 100
111 102.1 82.8 124.2
192 19.6 16.9 25.3





#39

Methylcyclohexane

Concen: 1.860 ug/l

RT: 7.385 min Scan# 1033

Delta R.T. -0.000 min

Lab File: VX028209.D

Acq: 20 Apr 2022 19:41

Instrument :

MSVOA_X

ClientSampleId :

31576

Tgt Ion: 83	Resp: 14134
Ion Ratio	Lower Upper
83	100
55	64.6 54.6 81.8
98	57.1 37.4 56.2

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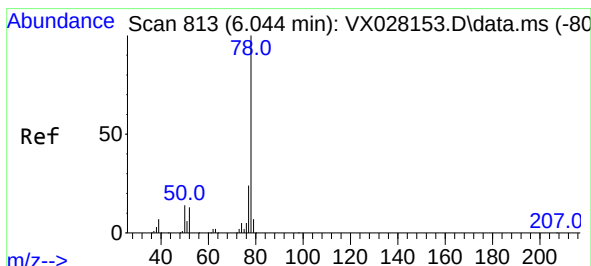
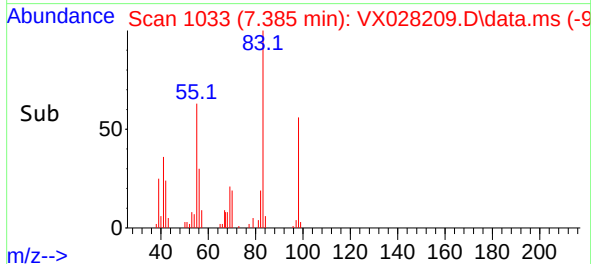
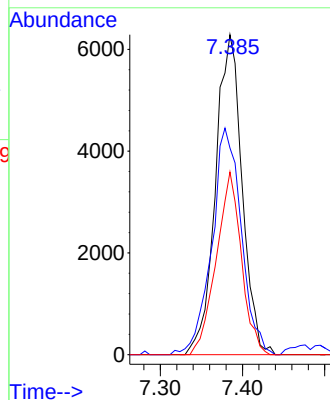
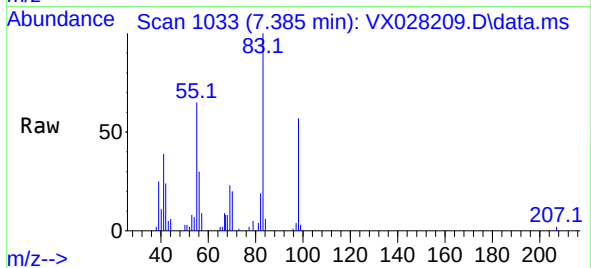
04/21/2022

Supervised By :Mahesh Dadoda

04/21/2022

Supervised By :Mahesh Dadoda

04/21/2022



#40

Benzene

Concen: 4.018 ug/l

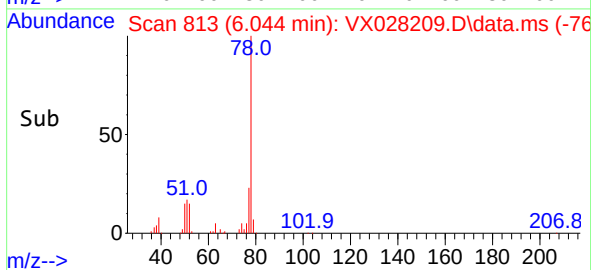
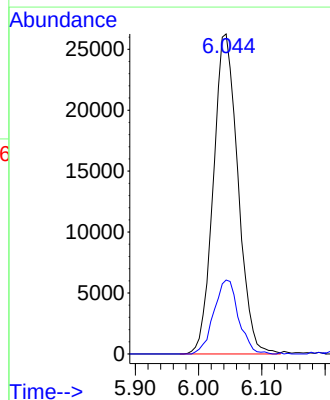
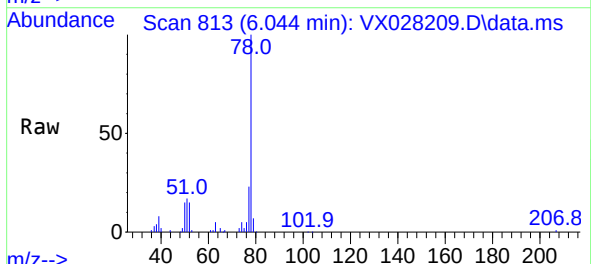
RT: 6.044 min Scan# 813

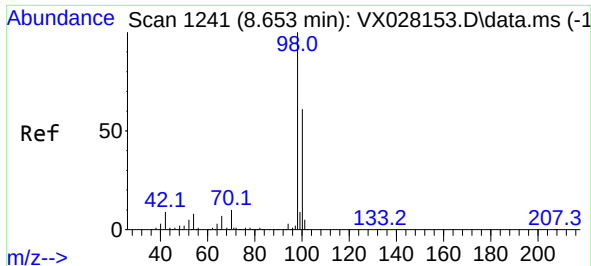
Delta R.T. -0.000 min

Lab File: VX028209.D

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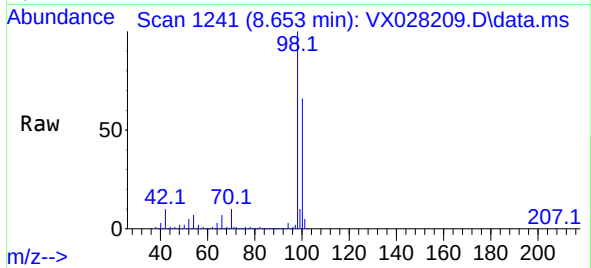
Tgt Ion: 78	Resp: 70839
Ion Ratio	Lower Upper
78	100
77	23.1 19.3 28.9





#50
Toluene-d8
Concen: 49.862 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028209.D
Acq: 20 Apr 2022 19:41

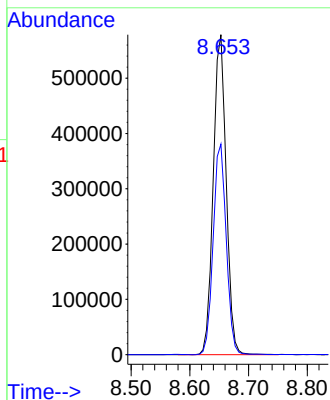
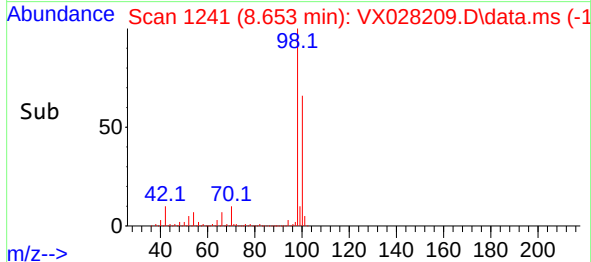
Instrument :
MSVOA_X
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31576



Tgt Ion: 98 Resp: 88423
Ion Ratio Lower Upper
98 100
100 66.6 52.6 78.8

Manual Integrations
APPROVED

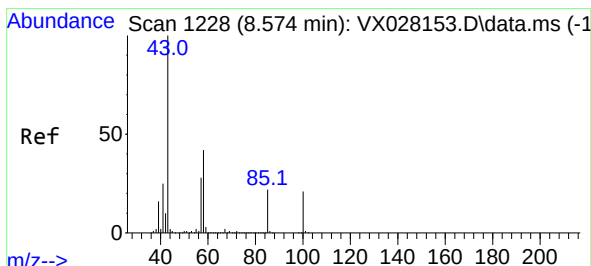
Reviewed By :John Carlone 04/21/2022
Supervised By :Mahesh Dadoda 04/21/2022



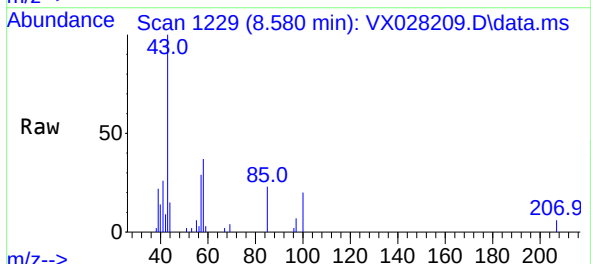
04/21/2022
Supervised By :Mahesh
Dadoda

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Supervised By :Mahesh
Dadoda

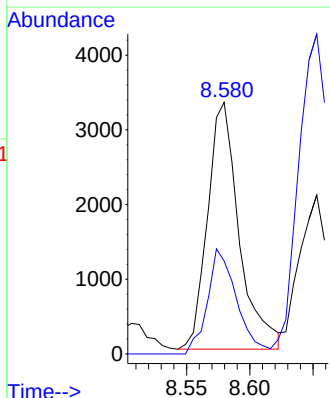
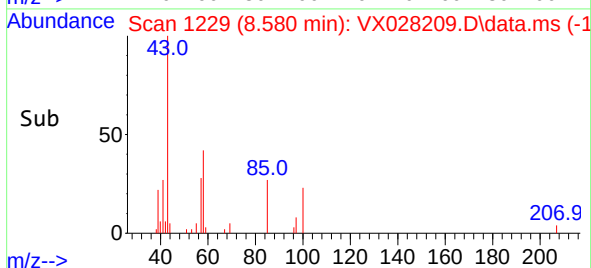
04/21/2022

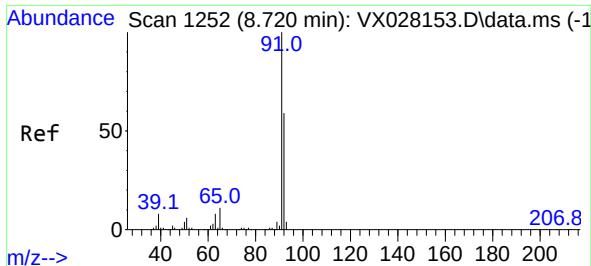


#51
4-Methyl-2-Pentanone
Concen: 0.898 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX028209.D
Acq: 20 Apr 2022 19:41



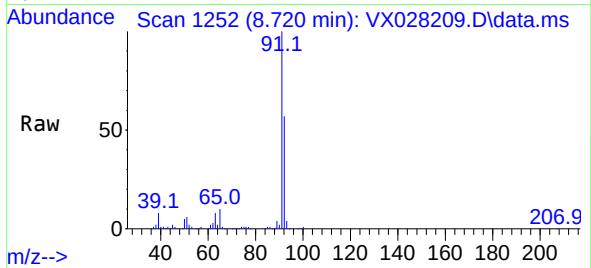
Tgt Ion: 43 Resp: 5732
Ion Ratio Lower Upper
43 100
58 39.3 36.1 54.1





#52
Toluene
Concen: 10.040 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028209.D
Acq: 20 Apr 2022 19:41

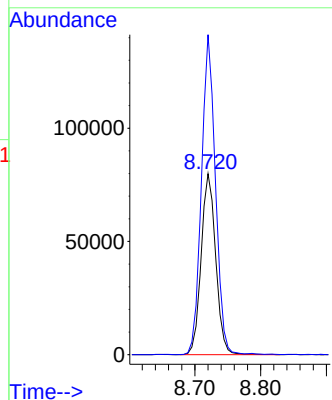
Instrument :
MSVOA_X
ClientSampleId :
31576



Tgt Ion: 92 Resp: 12296
Ion Ratio Lower Upper
92 100
91 170.2 137.5 206.3

Manual Integrations
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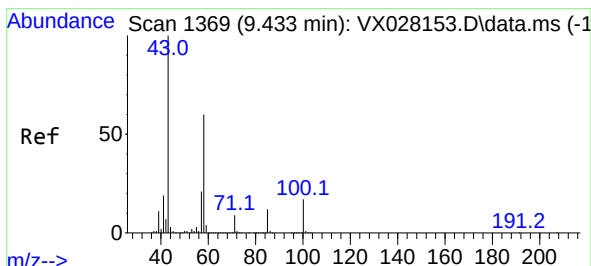
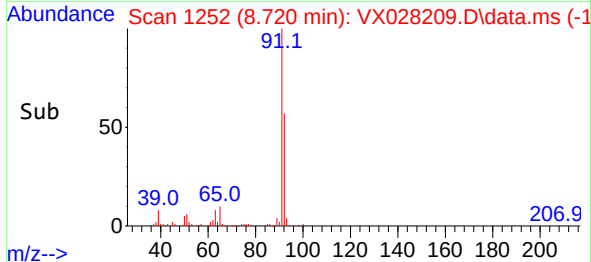
Reviewed By :John Carlone 04/21/2022
Supervised By :Mahesh Dadoda 04/21/2022



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Supervised By :Mahesh
Dadoda

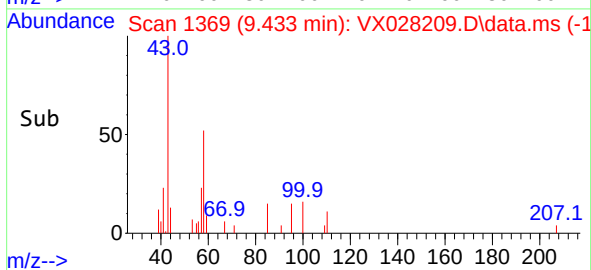
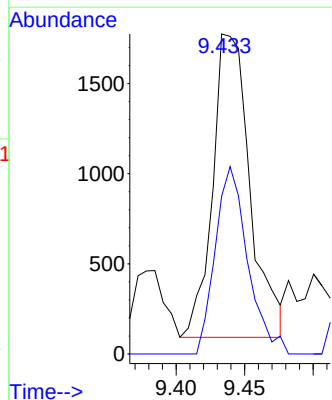
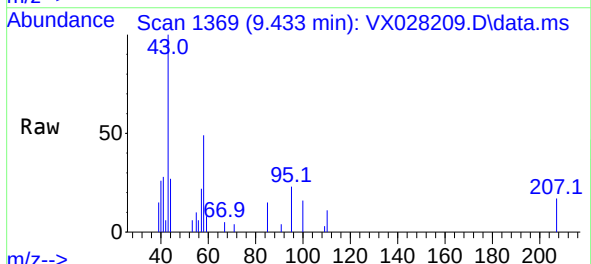
04/21/2022
Supervised By :Mahesh
Dadoda

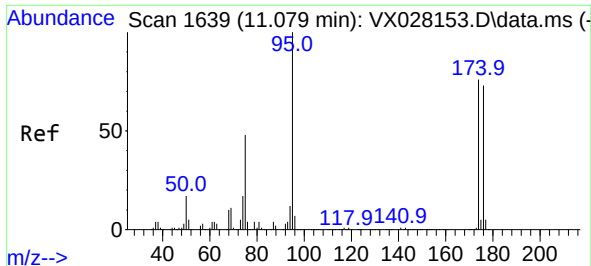
04/21/2022



#59
2-Hexanone
Concen: 0.645 ug/l
RT: 9.433 min Scan# 1369
Delta R.T. 0.000 min
Lab File: VX028209.D
Acq: 20 Apr 2022 19:41

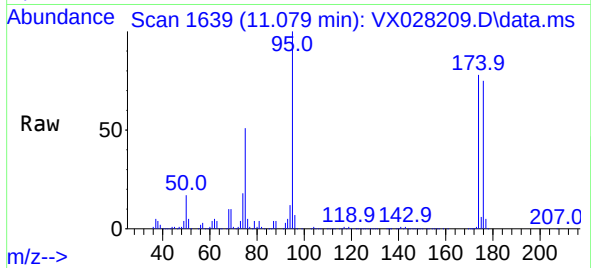
Tgt Ion: 43 Resp: 3187
Ion Ratio Lower Upper
43 100
58 53.6 31.9 95.7





#62
4-Bromofluorobenzene
Concen: 50.458 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX028209.D
Acq: 20 Apr 2022 19:41

Instrument :
MSVOA_X
ClientSampleId :
31576



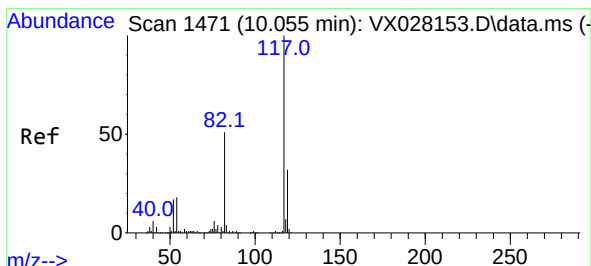
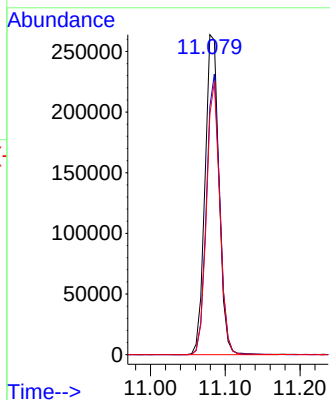
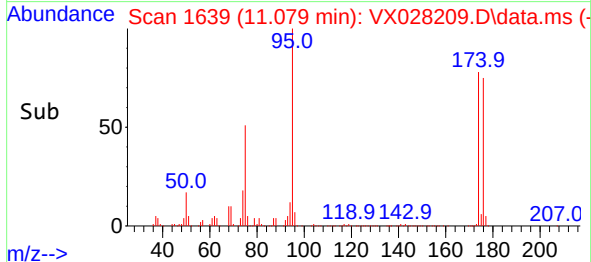
Tgt Ion: 95 Resp: 342134
Ion Ratio Lower Upper
95 100
174 83.9 0.0 163.0
176 81.0 0.0 155.0

Manual Integrations
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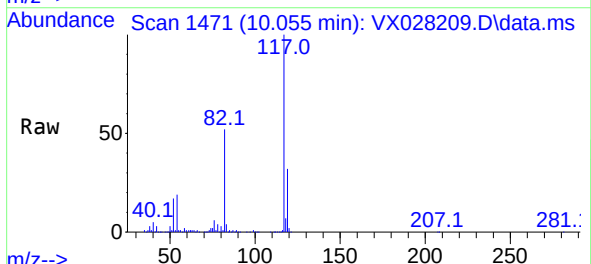
Reviewed By :John Carlone 04/21/2022
Supervised By :Mahesh Dadoda 04/21/2022

04/21/2022
Supervised By :Mahesh
Dadoda

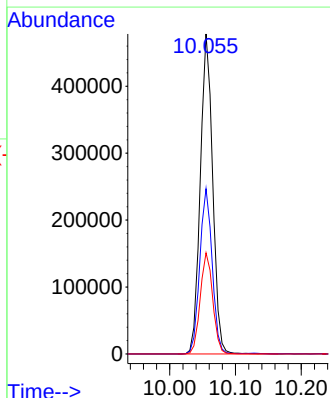
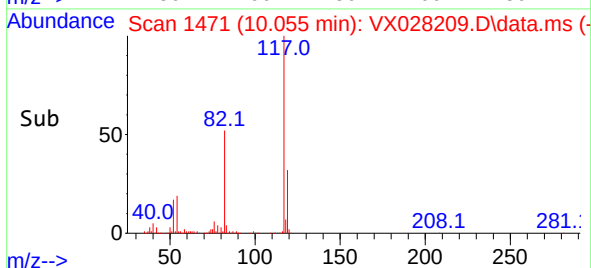
04/21/2022
Supervised By :Mahesh
Dadoda

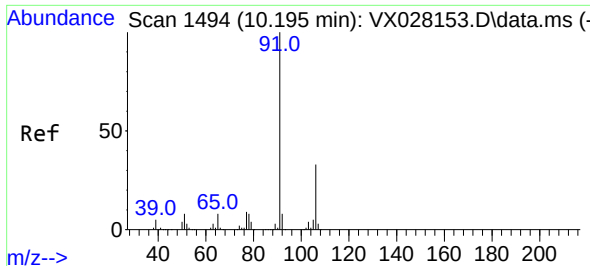


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX028209.D
Acq: 20 Apr 2022 19:41



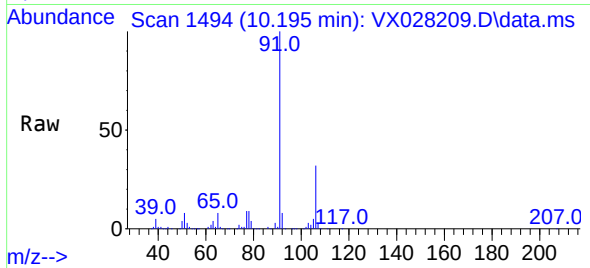
Tgt Ion:117 Resp: 625345
Ion Ratio Lower Upper
117 100
82 51.6 41.8 62.8
119 31.6 24.8 37.2





#67
Ethyl Benzene
Concen: 3.388 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX028209.D
Acq: 20 Apr 2022 19:41

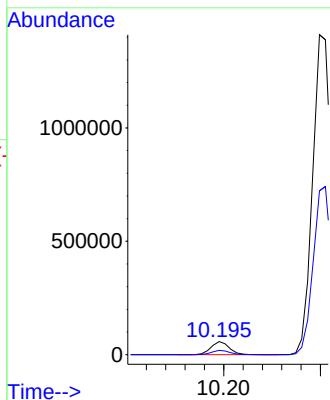
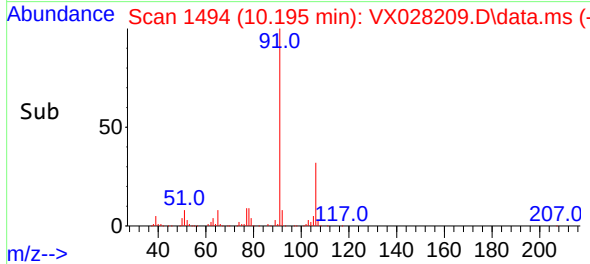
Instrument :
MSVOA_X
ClientSampleId :
31576



Tgt Ion: 91 Resp: 75749
Ion Ratio Lower Upper
91 100
106 32.3 24.6 36.8

Manual Integrations
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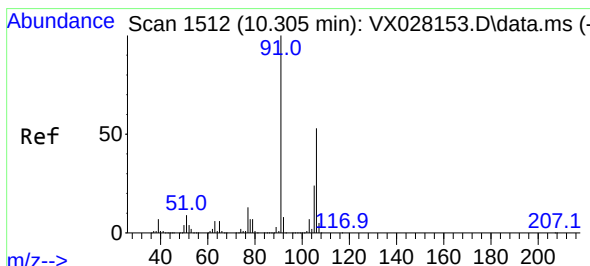
Reviewed By :John Carlone 04/21/2022
Supervised By :Mahesh Dadoda 04/21/2022



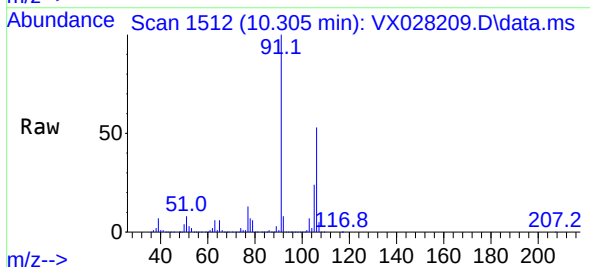
04/21/2022
Supervised By :Mahesh
Dadoda

04/21/2022
Supervised By :Mahesh
Dadoda

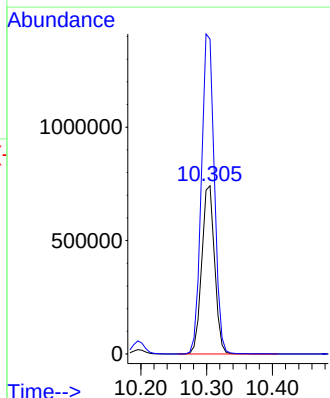
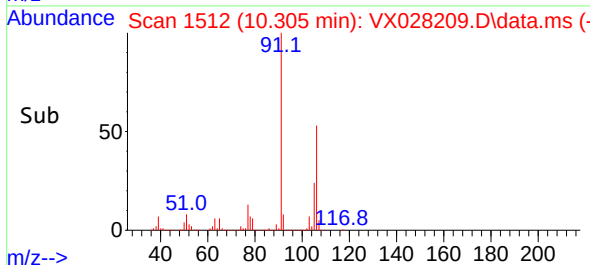
04/21/2022

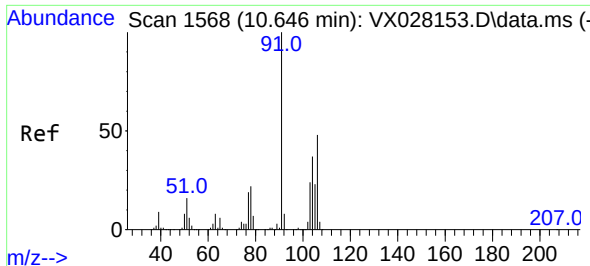


#68
m/p-Xylenes
Concen: 110.799 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX028209.D
Acq: 20 Apr 2022 19:41



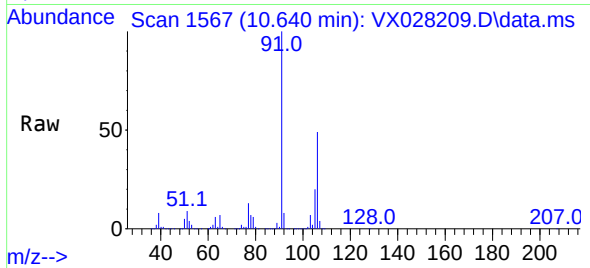
Tgt Ion:106 Resp: 1008172
Ion Ratio Lower Upper
106 100
91 192.4 160.4 240.6





#69
o-Xylene
Concen: 93.777 ug/l
RT: 10.640 min Scan# 1568
Delta R.T. -0.006 min
Lab File: VX028209.D
Acq: 20 Apr 2022 19:41

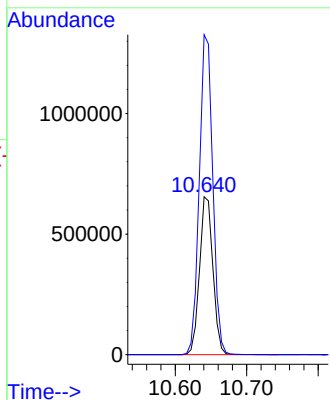
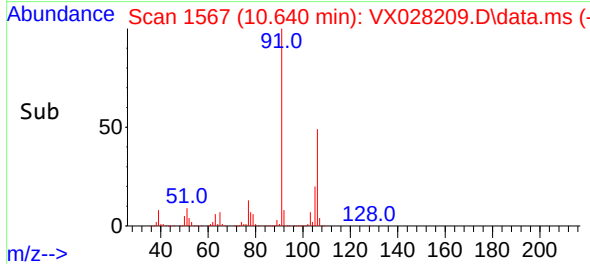
Instrument :
MSVOA_X
ClientSampleId :
31576



Tgt Ion:106 Resp: 850738
Ion Ratio Lower Upper
106 100
91 203.9 106.1 318.1

Manual Integrations
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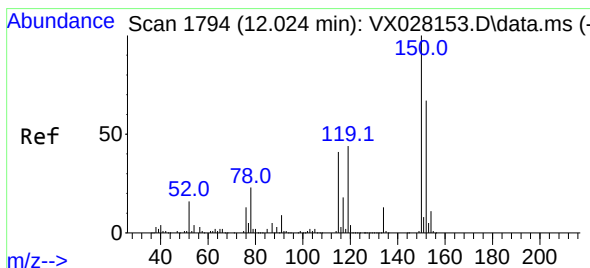
Reviewed By :John Carlone 04/21/2022
Supervised By :Mahesh Dadoda 04/21/2022



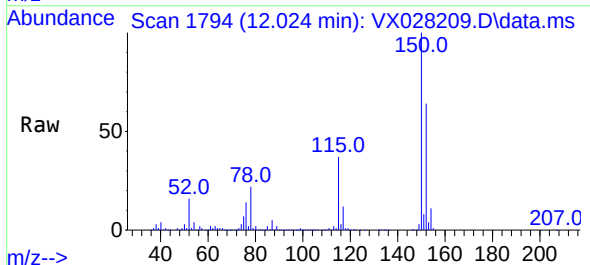
04/21/2022
Supervised By :Mahesh
Dadoda

04/21/2022
Supervised By :Mahesh
Dadoda

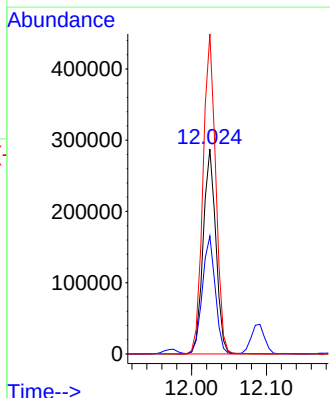
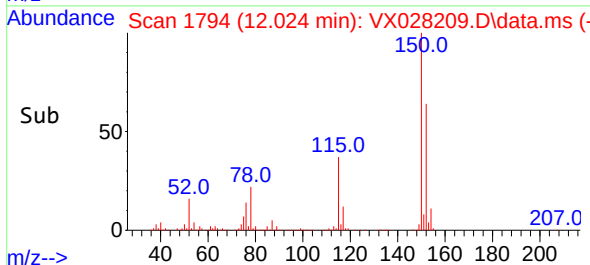
04/21/2022

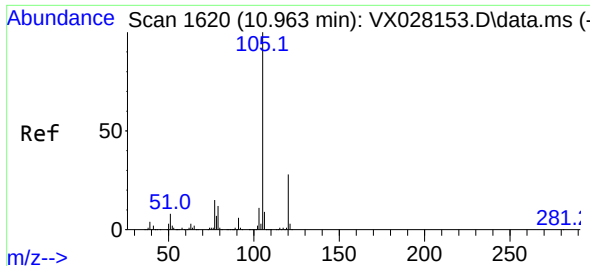


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX028209.D
Acq: 20 Apr 2022 19:41



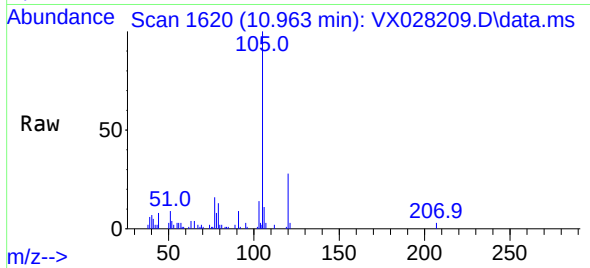
Tgt Ion:152 Resp: 340128
Ion Ratio Lower Upper
152 100
115 58.4 37.5 112.7
150 156.6 0.0 338.2





#73
Isopropylbenzene
Concen: 0.370 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX028209.D
Acq: 20 Apr 2022 19:41

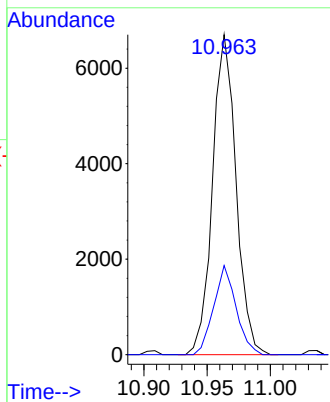
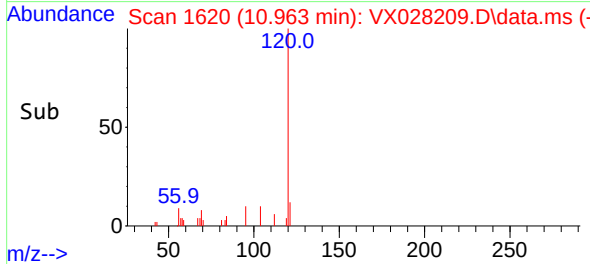
Instrument :
MSVOA_X
ClientSampleId :
31576



Tgt Ion:105 Resp: 865
Ion Ratio Lower Upper
105 100
120 26.5 13.5 40.5

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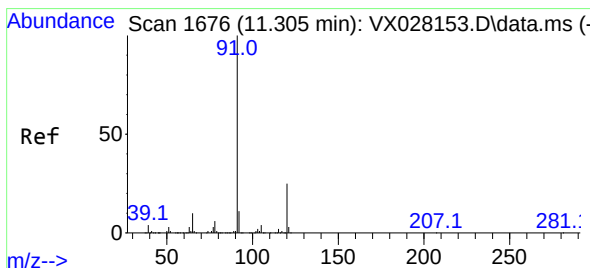
Reviewed By :John Carlone 04/21/2022
Supervised By :Mahesh Dadoda 04/21/2022



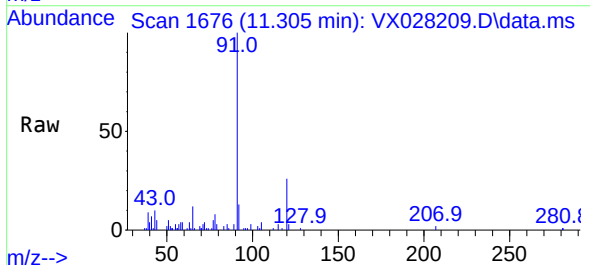
04/21/2022
Supervised By :Mahesh
Dadoda

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Supervised By :Mahesh
Dadoda

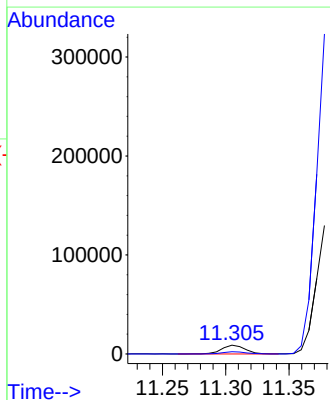
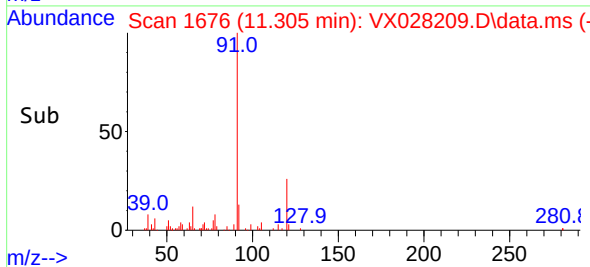
04/21/2022

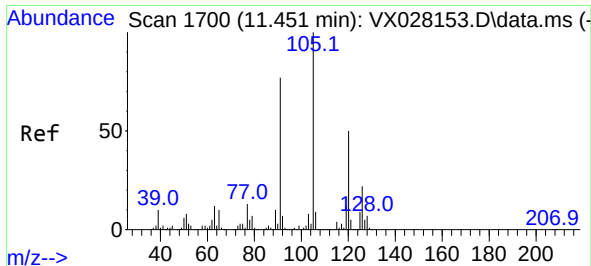


#78
n-propylbenzene
Concen: 0.446 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX028209.D
Acq: 20 Apr 2022 19:41



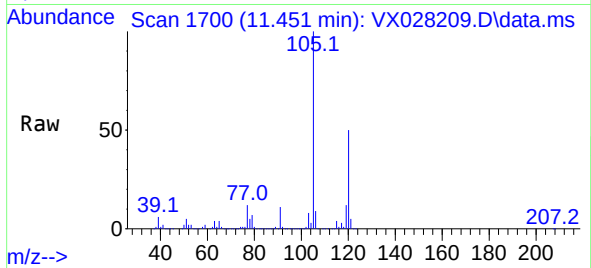
Tgt Ion: 91 Resp: 11562
Ion Ratio Lower Upper
91 100
120 0.0 11.6 34.8#





#80
1,3,5-Trimethylbenzene
Concen: 36.596 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX028209.D
Acq: 20 Apr 2022 19:41

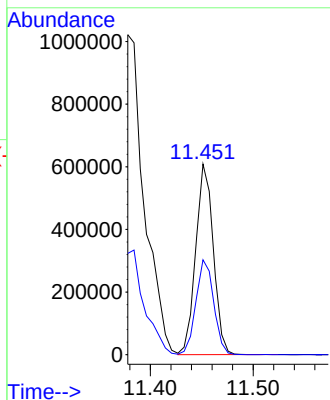
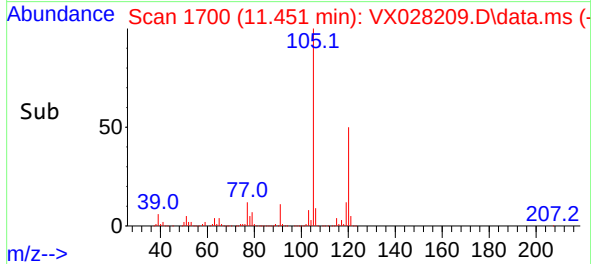
Instrument :
MSVOA_X
ClientSampleId :
31576



Tgt Ion:105 Resp: 726245
Ion Ratio Lower Upper
105 100
120 50.3 24.3 72.9

Manual Integrations
APPROVED

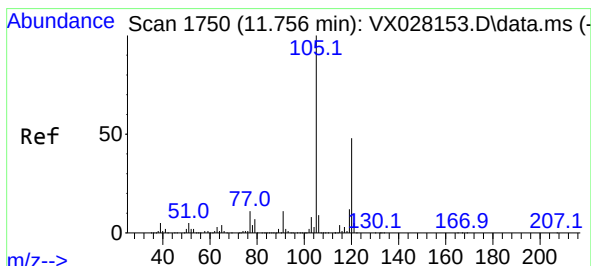
Reviewed By :John Carlone 04/21/2022
Supervised By :Mahesh Dadoda 04/21/2022



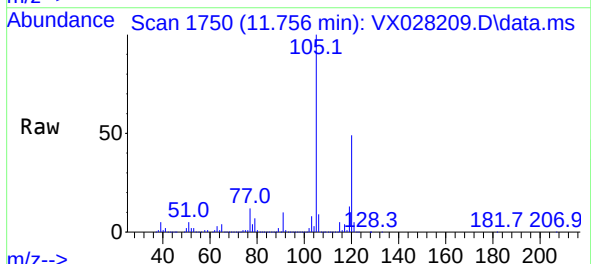
04/21/2022
Supervised By :Mahesh
Dadoda

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Supervised By :Mahesh
Dadoda

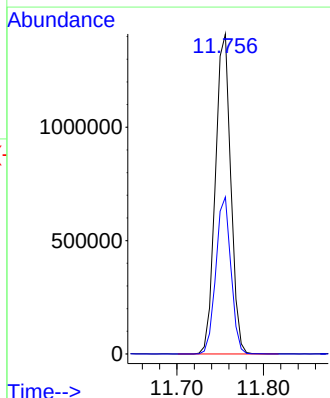
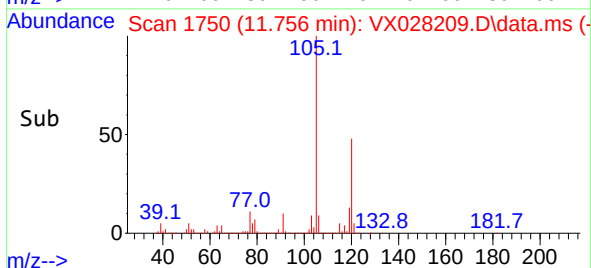
04/21/2022

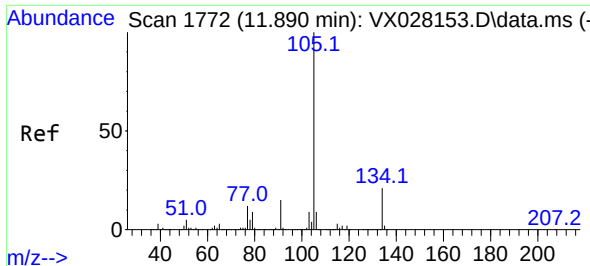


#84
1,2,4-Trimethylbenzene
Concen: 88.218 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. -0.000 min
Lab File: VX028209.D
Acq: 20 Apr 2022 19:41



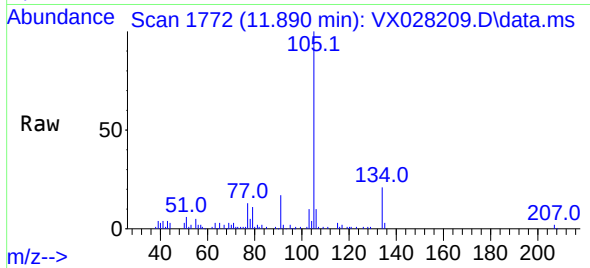
Tgt Ion:105 Resp: 1740247
Ion Ratio Lower Upper
105 100
120 48.0 22.6 67.8





#85
 sec-Butylbenzene
 Concen: 0.675 ug/l m
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX028209.D
 Acq: 20 Apr 2022 19:41

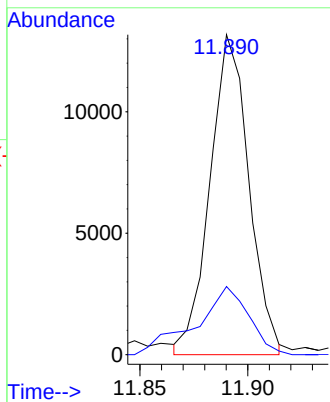
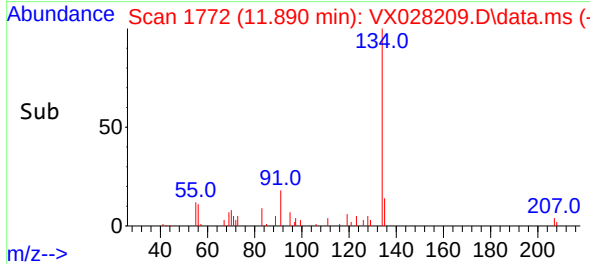
Instrument :
 MSVOA_X
 ClientSampleId :
 31576



Tgt Ion:105 Resp: 16509
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.2 30.4

Manual Integrations
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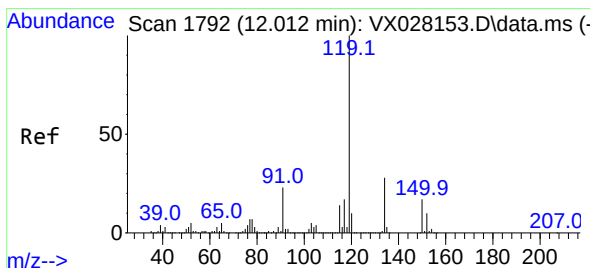
Reviewed By :John Carlone 04/21/2022
 Supervised By :Mahesh Dadoda 04/21/2022



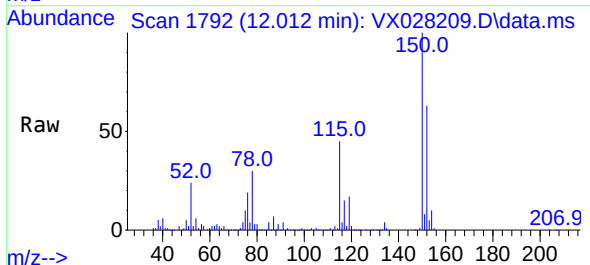
04/21/2022
 Supervised By :Mahesh
 Dadoda

04/21/2022
 Supervised By :Mahesh
 Dadoda

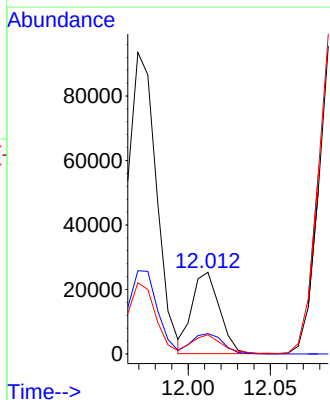
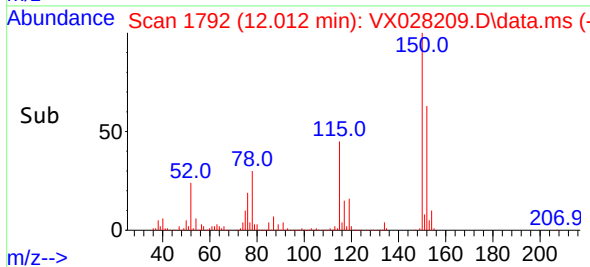
04/21/2022

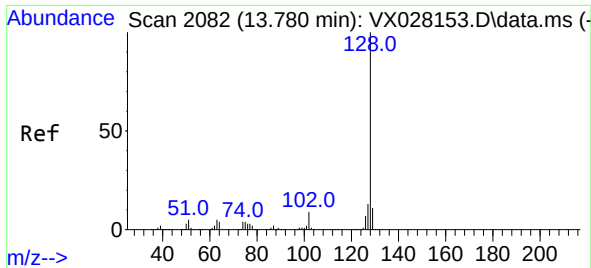


#86
 p-Isopropyltoluene
 Concen: 1.396 ug/l
 RT: 12.012 min Scan# 1792
 Delta R.T. 0.000 min
 Lab File: VX028209.D
 Acq: 20 Apr 2022 19:41



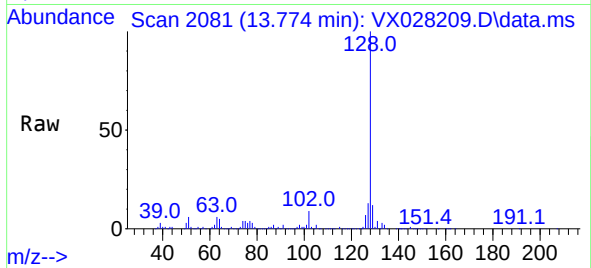
Tgt Ion:119 Resp: 29433
 Ion Ratio Lower Upper
 119 100
 134 28.3 13.0 39.0
 91 24.7 11.3 33.9





#95
Naphthalene
Concen: 5.937 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.006 min
Lab File: VX028209.D
Acq: 20 Apr 2022 19:41

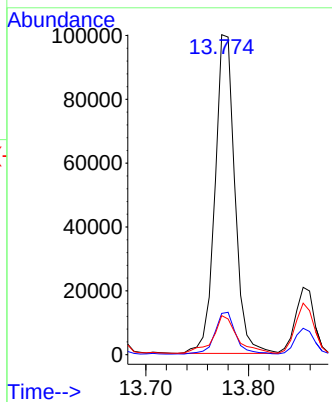
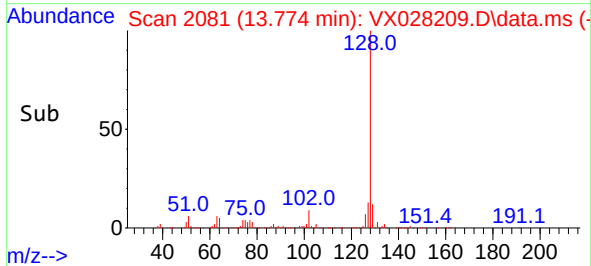
Instrument : MSVOA_X
ClientSampleId : 31576



Tgt Ion:128 Resp: 13369
Ion Ratio Lower Upper
128 100
127 13.8 10.2 15.4
129 14.3 8.7 13.1

Manual Integrations
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Reviewed By :John Carlone 04/21/2022
Supervised By :Mahesh Dadoda 04/21/2022



04/21/2022
Supervised By :Mahesh Dadoda

04/21/2022
Supervised By :Mahesh Dadoda

04/21/2022