

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032222\
 Data File : VX027647.D
 Acq On : 23 Mar 2022 05:17
 Operator : JC/MD
 Sample : N2028-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP031722

Quant Time: Mar 23 07:44:13 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031722W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 17 15:02:59 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 03/24/2022
 Supervised By : Mahesh Dadoda 03/24/2022

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	370266	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	572116	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	531748	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	275001	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	198930	43.612	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	87.220%		
35) Dibromofluoromethane	5.391	113	188595	51.236	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	102.480%		
50) Toluene-d8	8.653	98	696202	49.983	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	99.960%		
62) 4-Bromofluorobenzene	11.085	95	272908	53.306	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	106.620%		
Target Compounds					Qvalue	
8) Diethyl Ether	2.136	74	2003	0.894	ug/l	67
11) Tert butyl alcohol	2.959	59	150297	172.895	ug/l #	72
16) Acetone	2.380	43	359254	193.228	ug/l	99
17) Carbon Disulfide	2.514	76	11377	1.300	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	177455	15.298	ug/l #	1
22) Diisopropyl ether	3.770	45	56061	5.336	ug/l #	87
25) 2-Butanone	4.562	43	222005	79.366	ug/l	96
31) Cyclohexane	5.477	56	797182	140.745	ug/l	98
39) Methylcyclohexane	7.385	83	613956	97.061	ug/l	97
40) Benzene	6.056	78	21700130	1503.694	ug/l #	84
42) 1,2-Dichloroethane	6.098	62	343644	63.538	ug/l	96
45) 1,2-Dichloropropane	7.440	63	9928	2.701	ug/l	96
51) 4-Methyl-2-Pentanone	8.586	43	53198	10.331	ug/l	99
52) Toluene	8.738	92	16281561	1683.611	ug/l #	67
59) 2-Hexanone	9.445	43	258408m	65.155	ug/l	
67) Ethyl Benzene	10.201	91	8662563	462.667	ug/l #	83
68) m/p-Xylenes	10.317	106	12672178	1718.940	ug/l #	61
69) o-Xylene	10.653	106	6659679	930.398	ug/l	76
73) Isopropylbenzene	10.963	105	840976	41.985	ug/l	100
78) n-propylbenzene	11.305	91	2389212	108.658	ug/l	97
80) 1,3,5-Trimethylbenzene	11.457	105	3753615	222.654	ug/l	97
84) 1,2,4-Trimethylbenzene	11.762	105	10118163	601.813	ug/l	86
85) sec-Butylbenzene	11.896	105	86362m	4.279	ug/l	
86) p-Isopropyltoluene	12.012	119	44084m	2.543	ug/l	
95) Naphthalene	13.780	128	1580606	82.935	ug/l	99

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

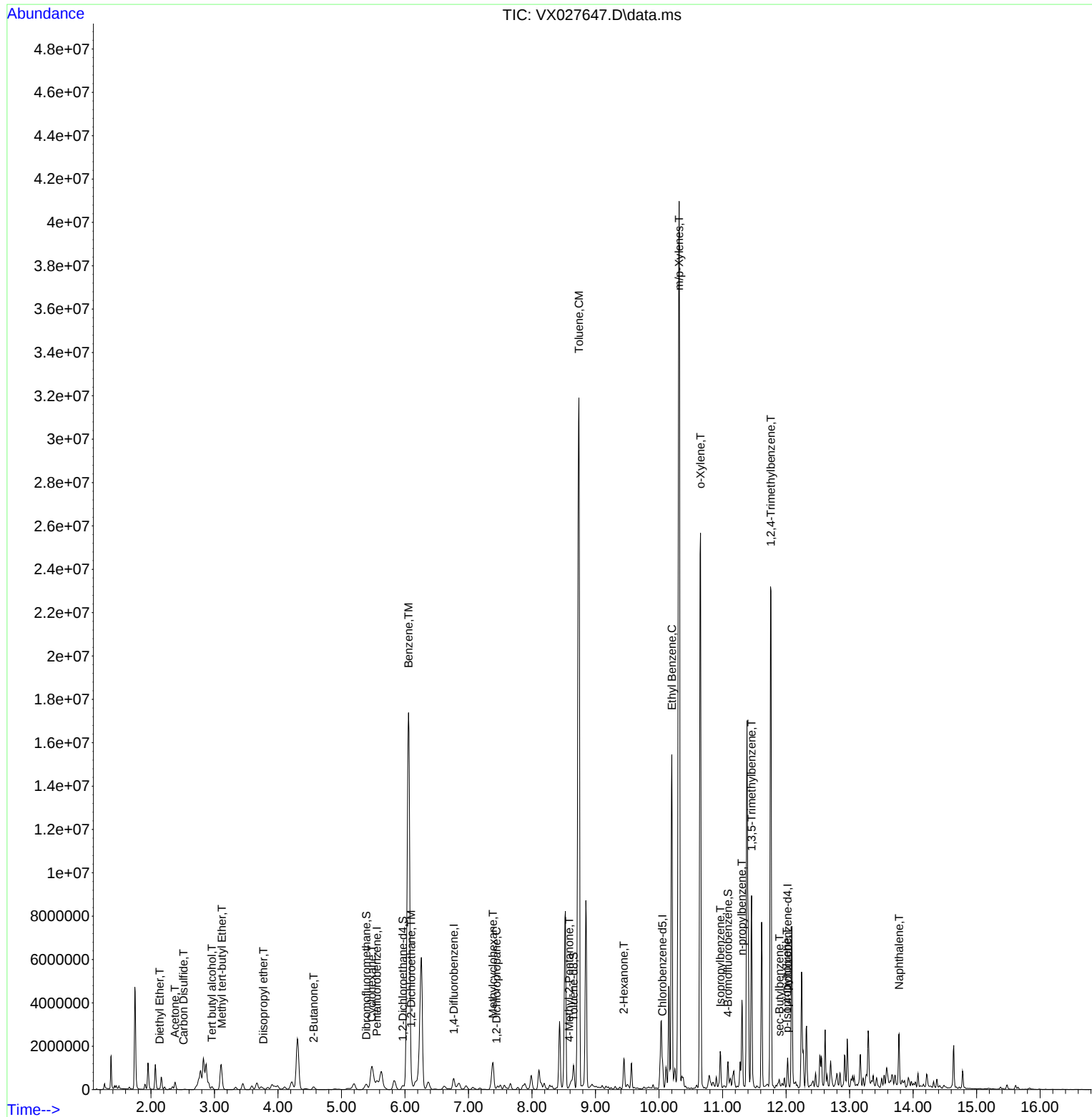
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032222\
Data File : VX027647.D
Acq On : 23 Mar 2022 05:17
Operator : JC/MD
Sample : N2028-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 45 Sample Multiplier: 1

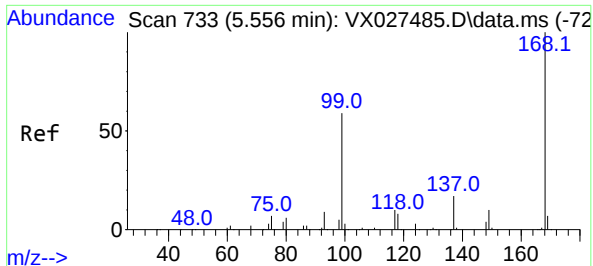
Instrument :
MSVOA_X
ClientSampleId :
DUP031722

Quant Time: Mar 23 07:44:13 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031722W.M
Quant Title : SW846 8260
QLast Update : Thu Mar 17 15:02:59 2022
Response via : Initial Calibration

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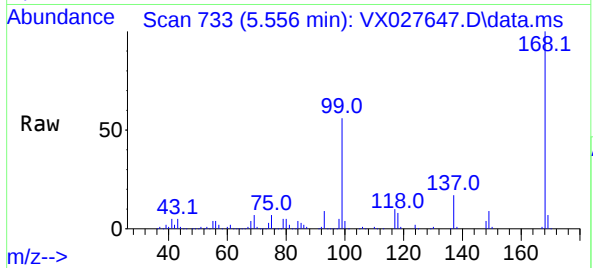
Reviewed By :John Carlone 03/24/2022
Supervised By :Mahesh Dadoda 03/24/2022





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.000 min
Lab File: VX027647.D
Acq: 23 Mar 2022 05:17

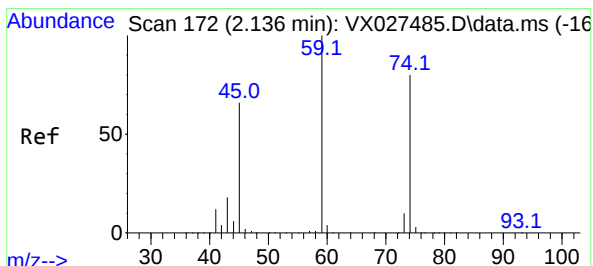
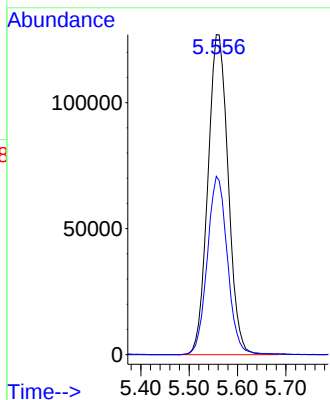
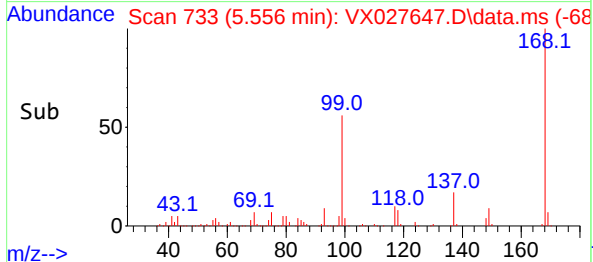
Instrument :
MSVOA_X
ClientSampleId :
DUP031722



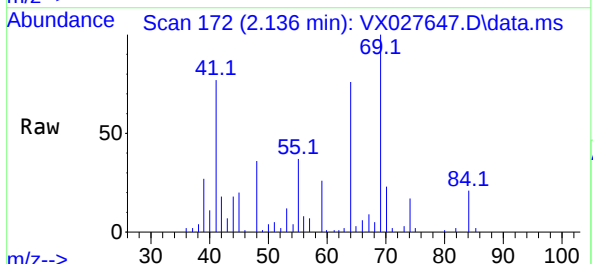
Tgt Ion:168 Resp: 370260
Ion Ratio Lower Upper
168 100
99 55.8 41.7 62.5

Manual Integrations
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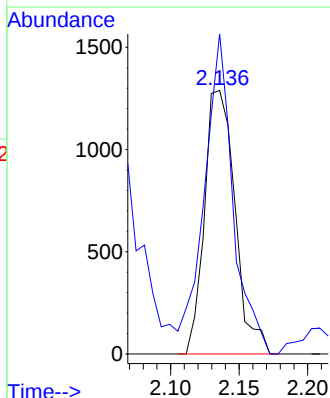
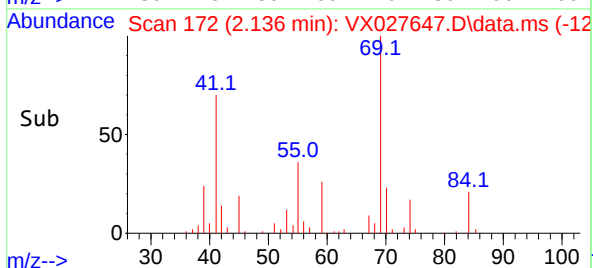
Reviewed By :John Carlone 03/24/2022
Supervised By :Mahesh Dadoda 03/24/2022

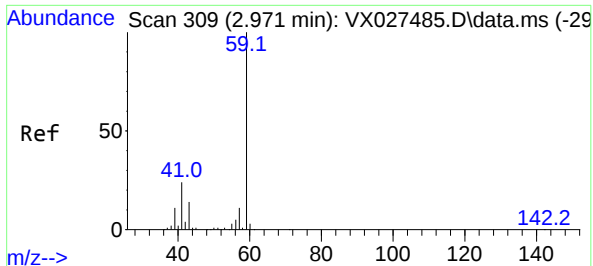


#8
Diethyl Ether
Concen: 0.894 ug/l
RT: 2.136 min Scan# 172
Delta R.T. 0.000 min
Lab File: VX027647.D
Acq: 23 Mar 2022 05:17



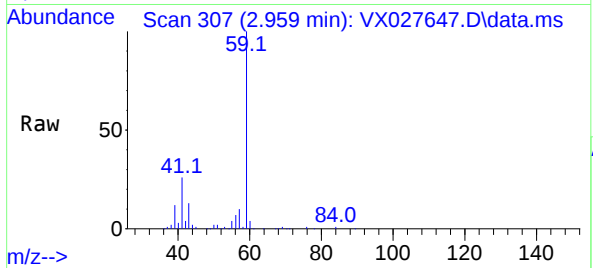
Tgt Ion: 74 Resp: 2003
Ion Ratio Lower Upper
74 100
45 113.5 42.0 126.0





#11
Tert butyl alcohol
Concen: 172.895 ug/l
RT: 2.959 min Scan# 309
Delta R.T. -0.012 min
Lab File: VX027647.D
Acq: 23 Mar 2022 05:17

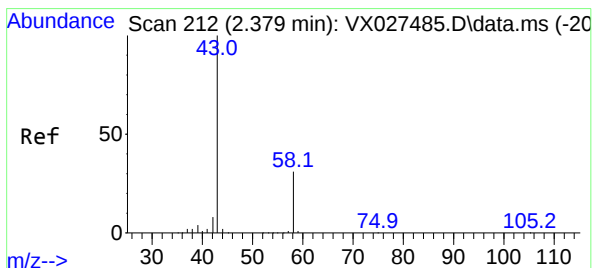
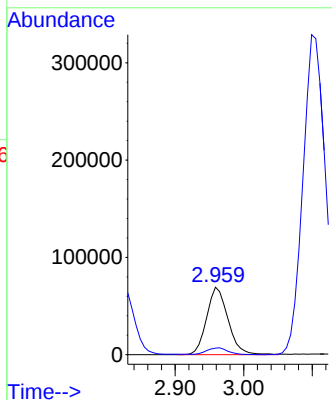
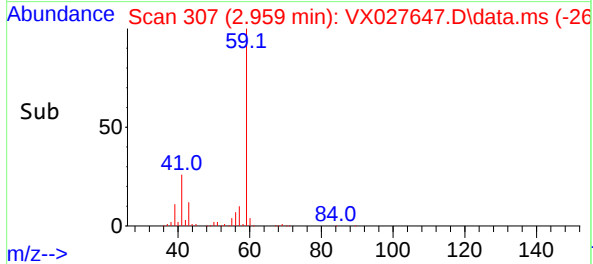
Instrument :
MSVOA_X
ClientSampleId :
DUP031722



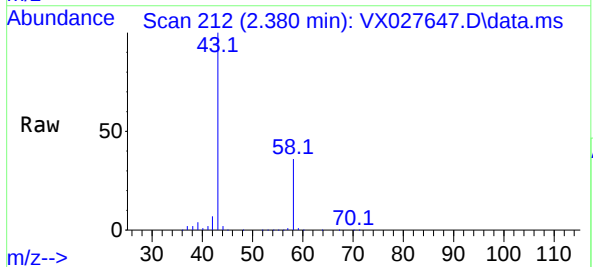
Tgt Ion: 59 Resp: 150297
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5

Manual Integrations
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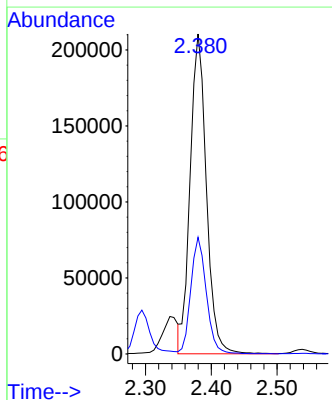
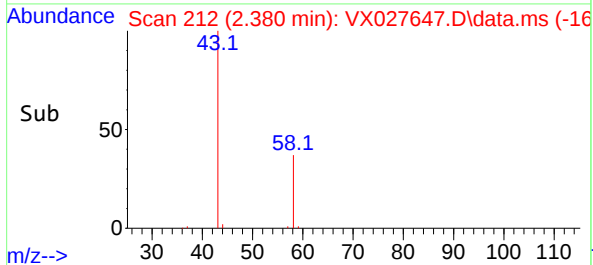
Reviewed By :John Carlone 03/24/2022
Supervised By :Mahesh Dadoda 03/24/2022

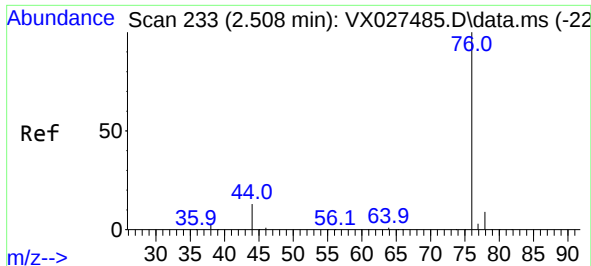


#16
Acetone
Concen: 193.228 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX027647.D
Acq: 23 Mar 2022 05:17



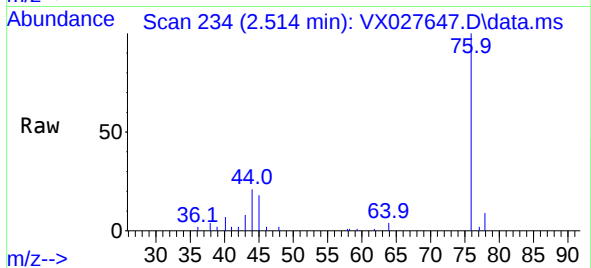
Tgt Ion: 43 Resp: 359254
Ion Ratio Lower Upper
43 100
58 36.4 28.8 43.2





#17
Carbon Disulfide
Concen: 1.300 ug/l
RT: 2.514 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX027647.D
Acq: 23 Mar 2022 05:17

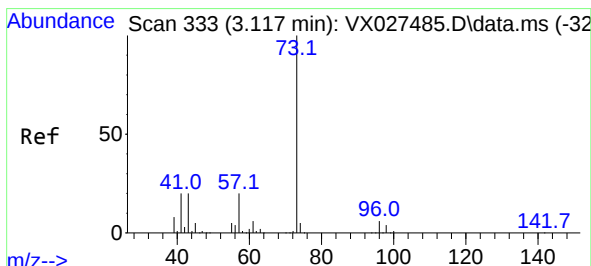
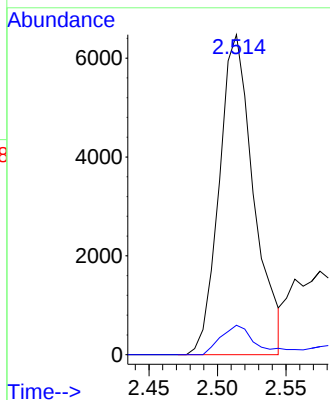
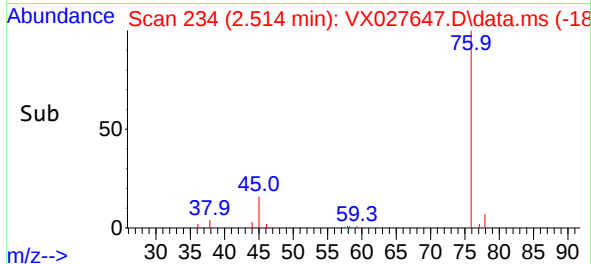
Instrument :
MSVOA_X
ClientSampleId :
DUP031722



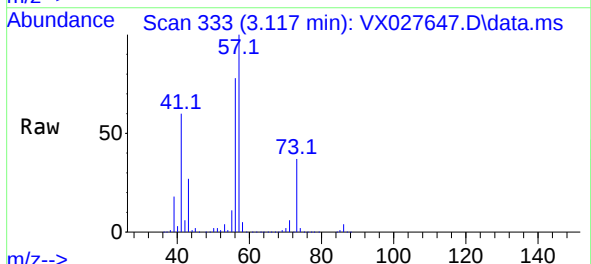
Tgt Ion: 76 Resp: 1137
Ion Ratio Lower Upper
76 100
78 9.2 7.2 10.8

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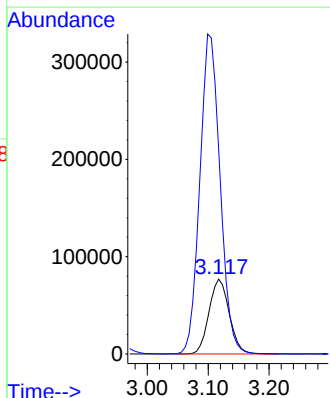
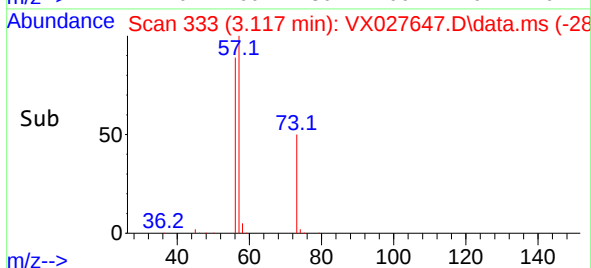
Reviewed By :John Carlone 03/24/2022
Supervised By :Mahesh Dadoda 03/24/2022

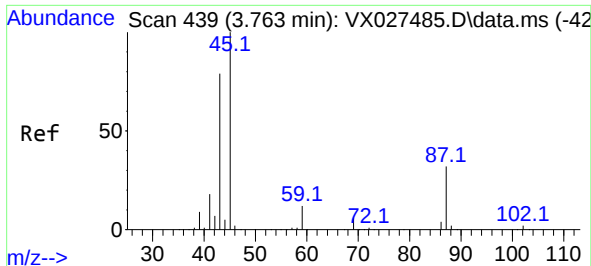


#19
Methyl tert-butyl Ether
Concen: 15.298 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.000 min
Lab File: VX027647.D
Acq: 23 Mar 2022 05:17



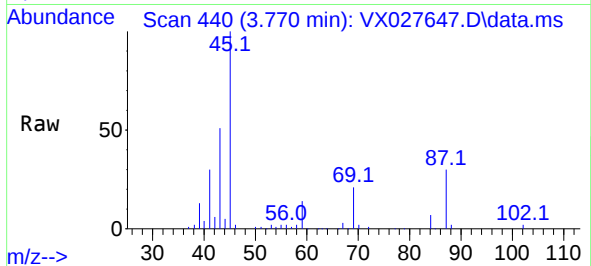
Tgt Ion: 73 Resp: 177455
Ion Ratio Lower Upper
73 100
57 272.4 16.8 25.2#





#22
Diisopropyl ether
Concen: 5.336 ug/l
RT: 3.770 min Scan# 440
Delta R.T. 0.006 min
Lab File: VX027647.D
Acq: 23 Mar 2022 05:17

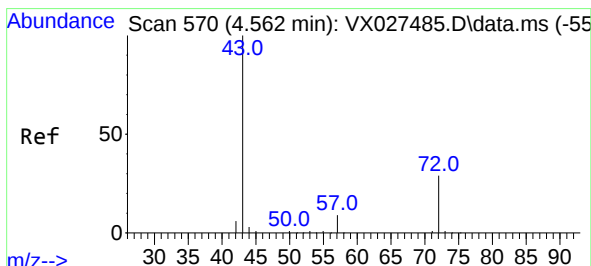
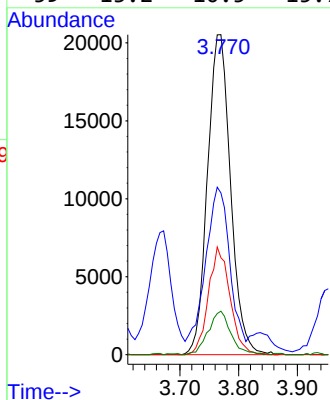
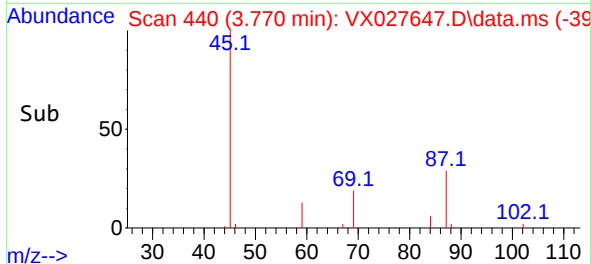
Instrument :
MSVOA_X
ClientSampleId :
DUP031722



Tgt Ion: 45 Resp: 5606
Ion Ratio Lower Upper
45 100
43 48.3 50.8 76.2
87 30.3 26.6 39.8
59 13.2 10.5 15.7

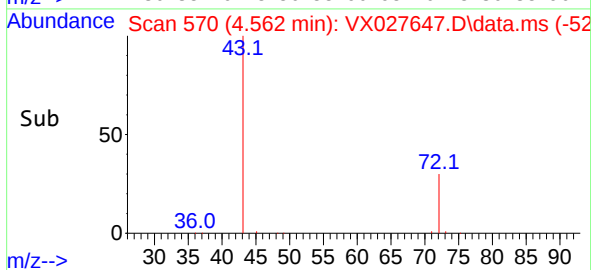
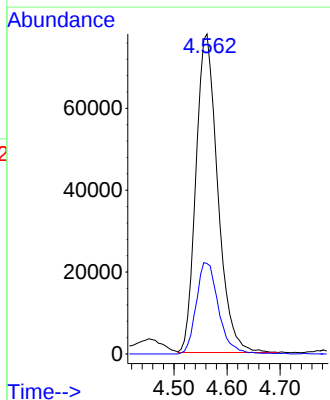
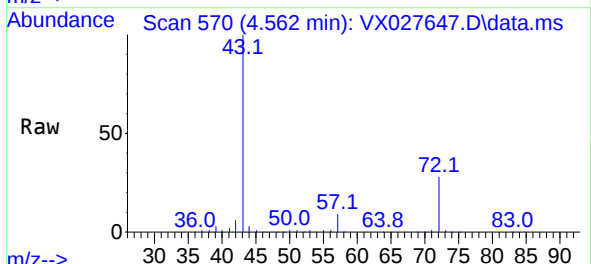
Manual Integrations
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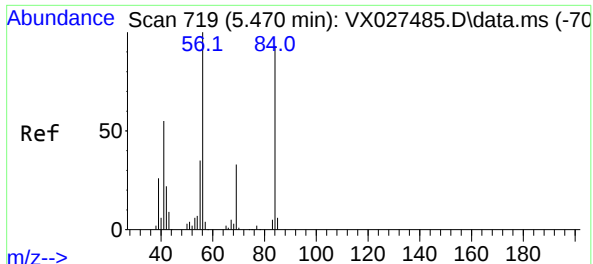
Reviewed By :John Carlone 03/24/2022
Supervised By :Mahesh Dadoda 03/24/2022



#25
2-Butanone
Concen: 79.366 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.000 min
Lab File: VX027647.D
Acq: 23 Mar 2022 05:17

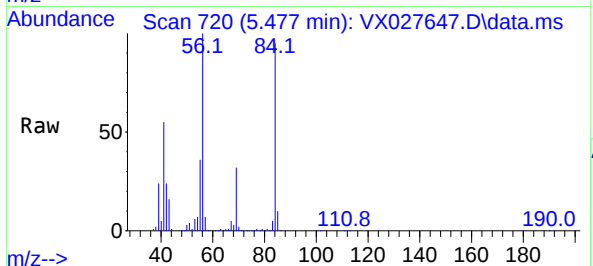
Tgt Ion: 43 Resp: 222005
Ion Ratio Lower Upper
43 100
72 28.4 24.4 36.6





#31
Cyclohexane
Concen: 140.745 ug/l
RT: 5.477 min Scan# 719
Delta R.T. 0.006 min
Lab File: VX027647.D
Acq: 23 Mar 2022 05:17

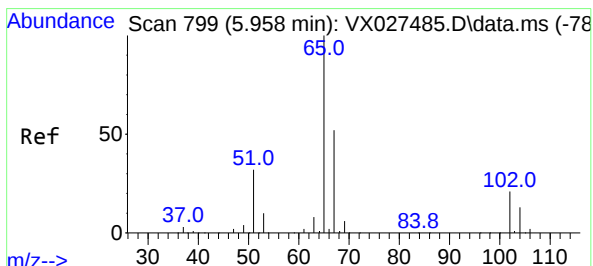
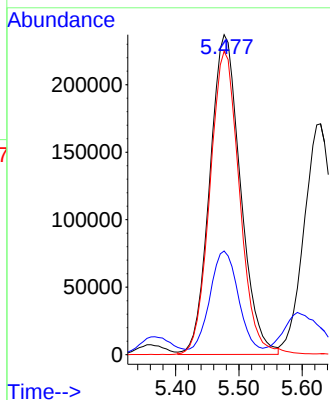
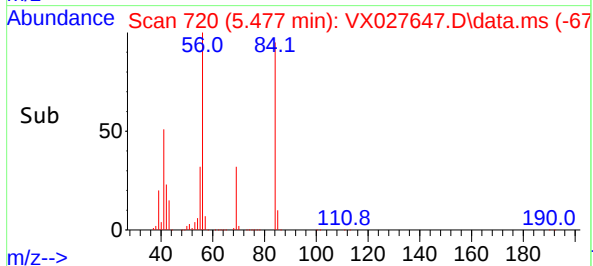
Instrument :
MSVOA_X
ClientSampleId :
DUP031722



Tgt Ion: 56 Resp: 79718
Ion Ratio Lower Upper
56 100
69 30.4 26.7 40.1
84 95.3 77.2 115.8

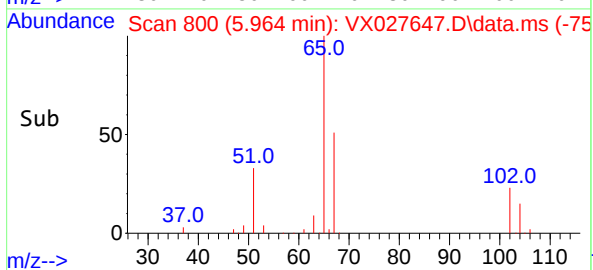
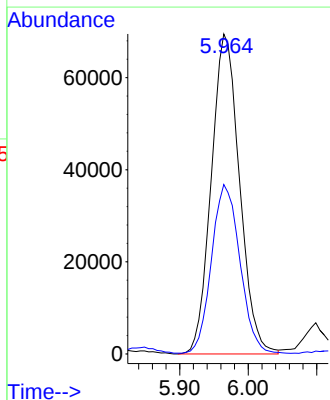
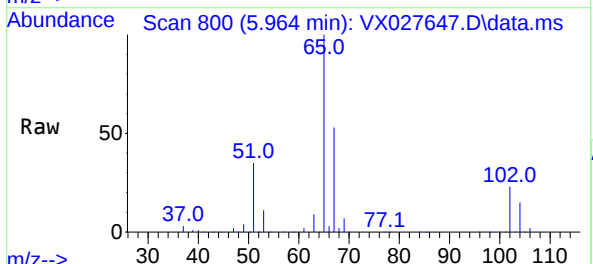
Manual Integrations
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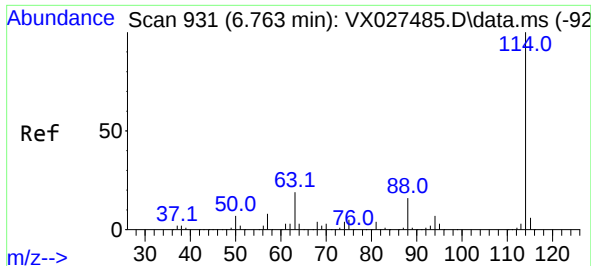
Reviewed By :John Carlone 03/24/2022
Supervised By :Mahesh Dadoda 03/24/2022



#33
1,2-Dichloroethane-d4
Concen: 43.612 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX027647.D
Acq: 23 Mar 2022 05:17

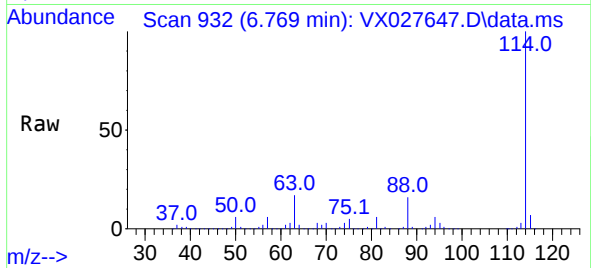
Tgt Ion: 65 Resp: 198930
Ion Ratio Lower Upper
65 100
67 52.8 0.0 107.4





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. 0.006 min
Lab File: VX027647.D
Acq: 23 Mar 2022 05:17

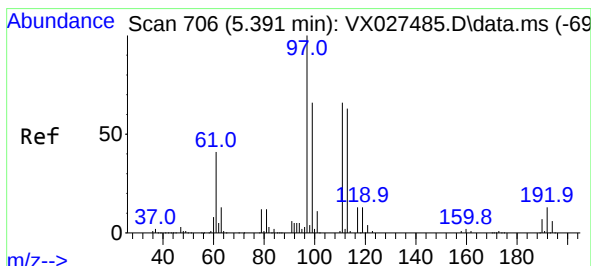
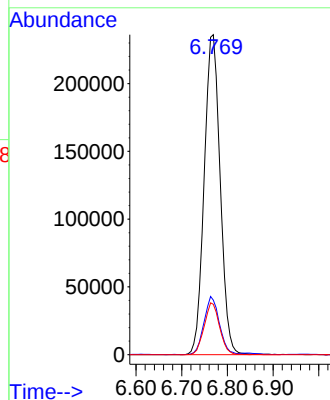
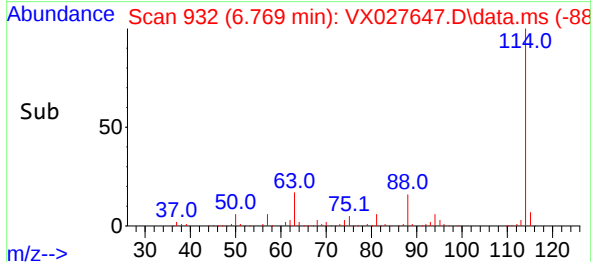
Instrument :
MSVOA_X
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DUP031722



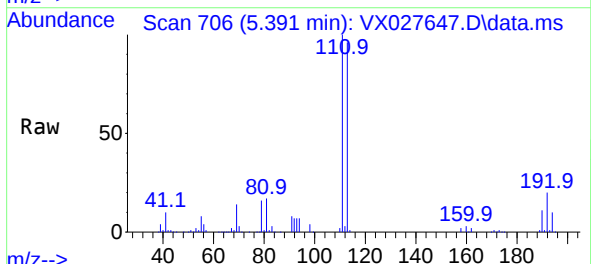
Tgt Ion:114 Resp: 572110
Ion Ratio Lower Upper
114 100
63 17.0 0.0 36.8
88 15.7 0.0 32.4

Manual Integrations
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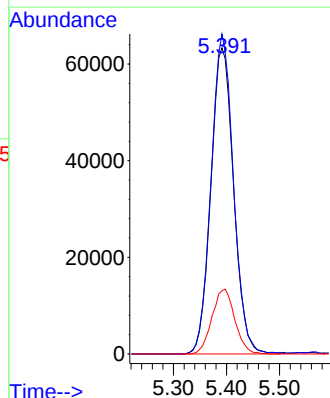
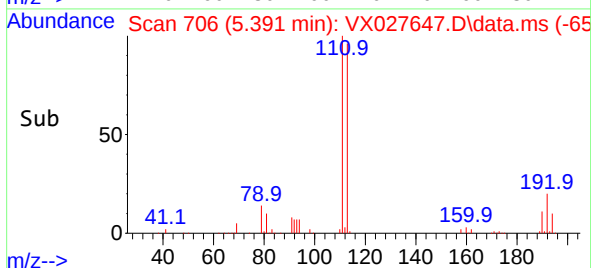
Reviewed By :John Carlone 03/24/2022
Supervised By :Mahesh Dadoda 03/24/2022

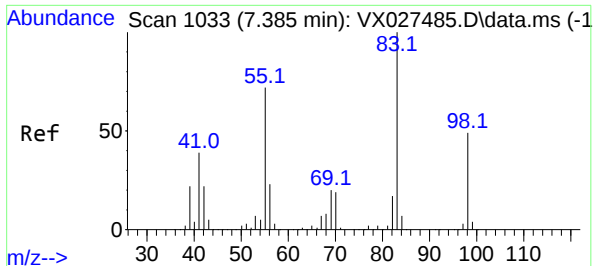


#35
Dibromofluoromethane
Concen: 51.236 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX027647.D
Acq: 23 Mar 2022 05:17



Tgt Ion:113 Resp: 188595
Ion Ratio Lower Upper
113 100
111 102.9 82.8 124.2
192 21.2 16.9 25.3





#39

Methylcyclohexane

Concen: 97.061 ug/l

RT: 7.385 min Scan# 1033

Delta R.T. 0.000 min

Lab File: VX027647.D

Acq: 23 Mar 2022 05:17

Instrument :

MSVOA_X

ClientSampleId :

DUP031722

Tgt Ion: 83 Resp: 613950

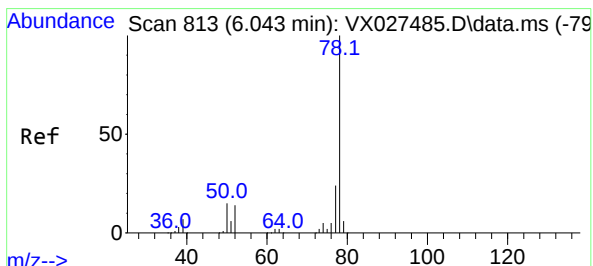
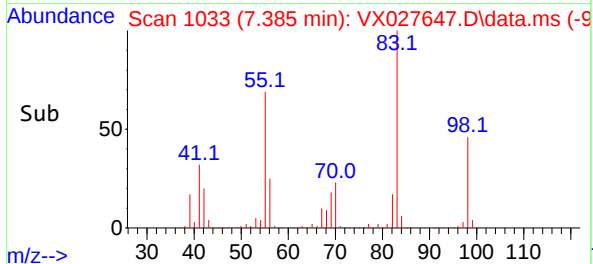
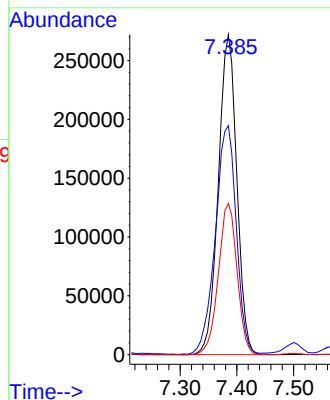
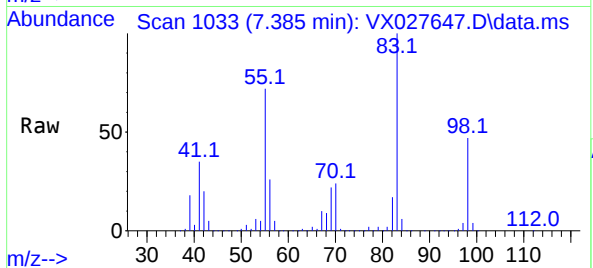
Ion	Ratio	Lower	Upper
83	100		
55	71.4	54.6	81.8
98	47.2	37.4	56.2

Manual Integrations

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Reviewed By :John Carlone 03/24/2022

Supervised By :Mahesh Dadoda 03/24/2022



#40

Benzene

Concen: 1503.694 ug/l

RT: 6.056 min Scan# 815

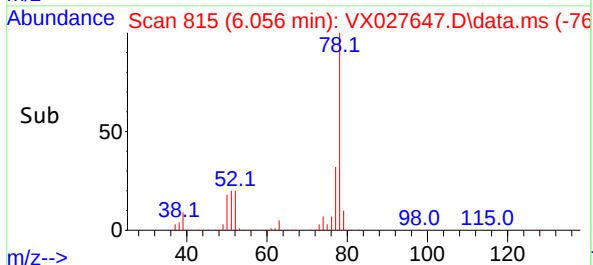
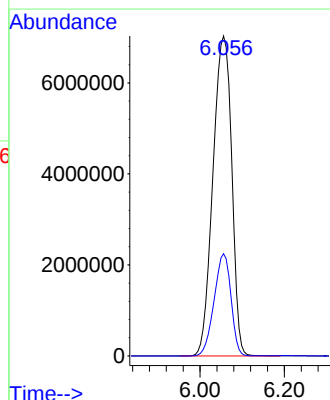
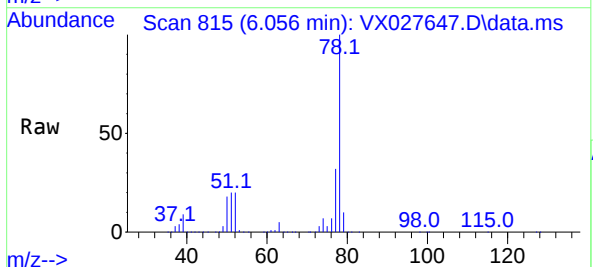
Delta R.T. 0.012 min

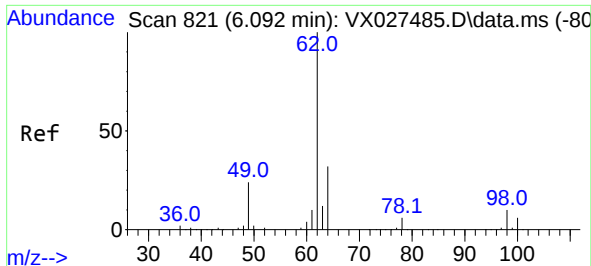
Lab File: VX027647.D

Acq: 23 Mar 2022 05:17

Tgt Ion: 78 Resp:21700130

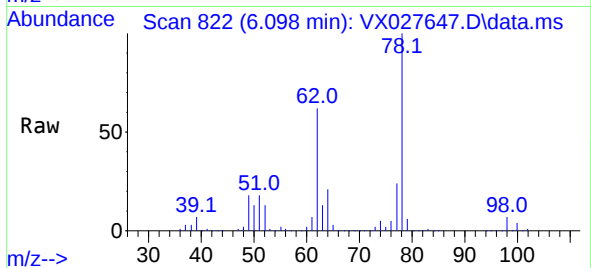
Ion	Ratio	Lower	Upper
78	100		
77	32.0	19.3	28.9





#42
1,2-Dichloroethane
Concen: 63.538 ug/l
RT: 6.098 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX027647.D
Acq: 23 Mar 2022 05:17

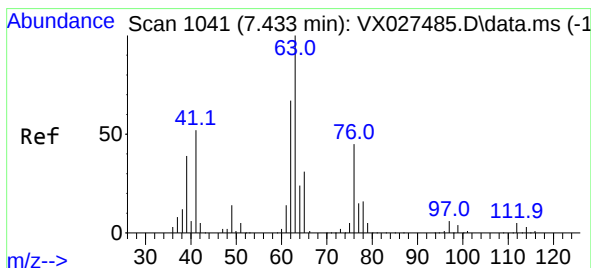
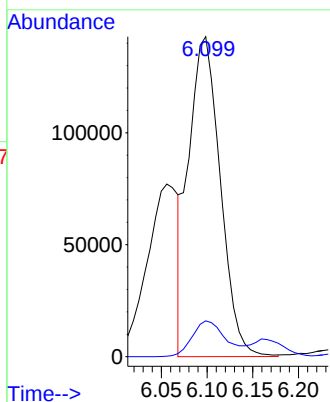
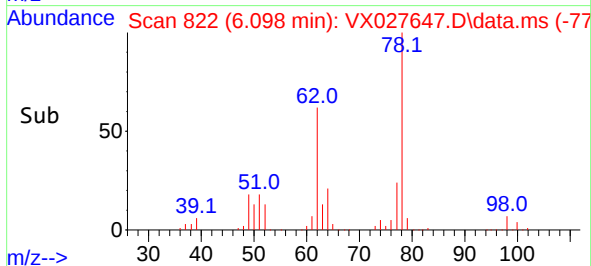
Instrument :
MSVOA_X
ClientSampleId :
DUP031722



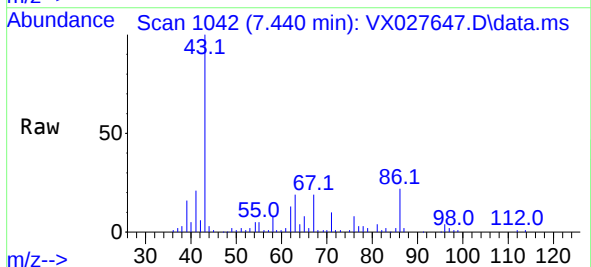
Tgt Ion: 62 Resp: 343644
Ion Ratio Lower Upper
62 100
98 11.5 0.0 20.4

Manual Integrations
APPROVED

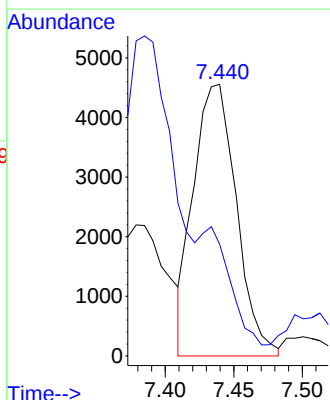
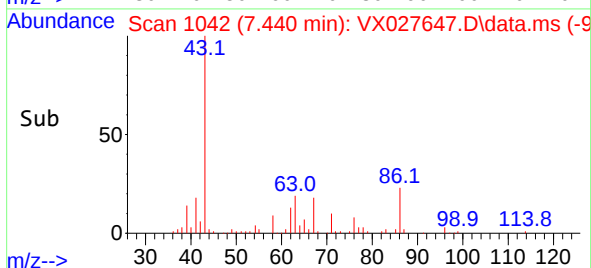
Reviewed By :John Carlone 03/24/2022
Supervised By :Mahesh Dadoda 03/24/2022

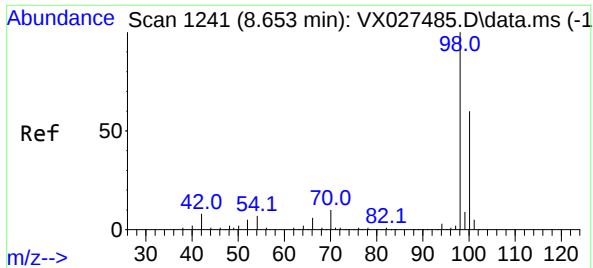


#45
1,2-Dichloropropane
Concen: 2.701 ug/l
RT: 7.440 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VX027647.D
Acq: 23 Mar 2022 05:17



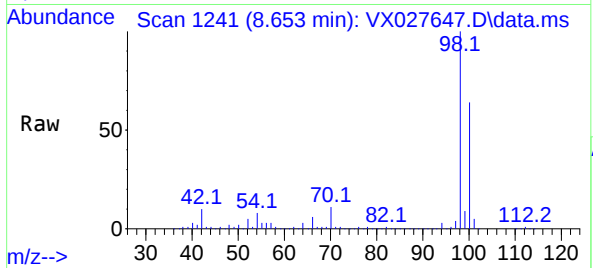
Tgt Ion: 63 Resp: 9928
Ion Ratio Lower Upper
63 100
65 34.6 25.8 38.6





#50
Toluene-d8
Concen: 49.983 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX027647.D
Acq: 23 Mar 2022 05:17

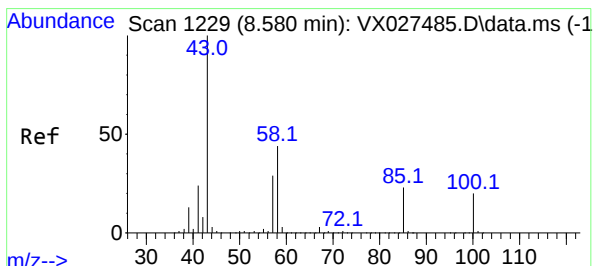
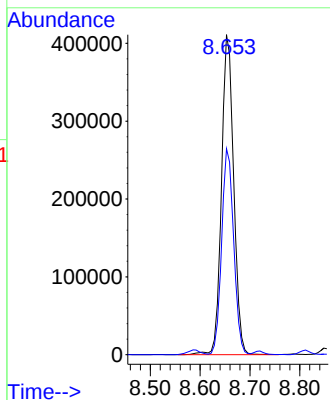
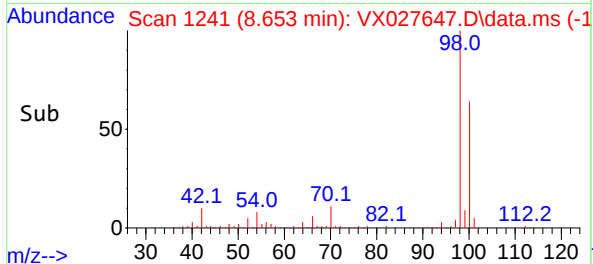
Instrument :
MSVOA_X
ClientSampleId :
DUP031722



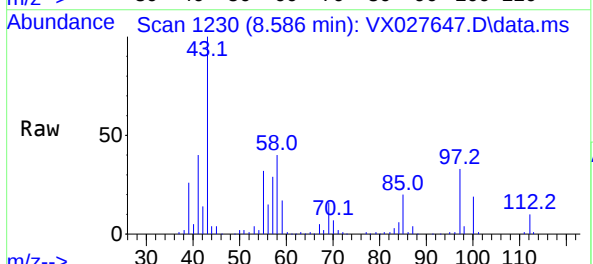
Tgt Ion: 98 Resp: 69620
Ion Ratio Lower Upper
98 100
100 63.2 52.6 78.8

Manual Integrations
APPROVED

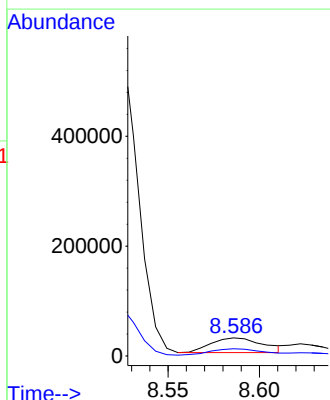
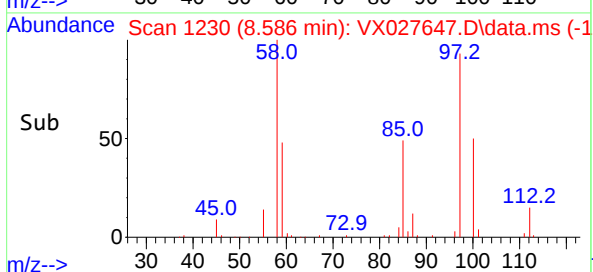
Reviewed By :John Carlone 03/24/2022
Supervised By :Mahesh Dadoda 03/24/2022

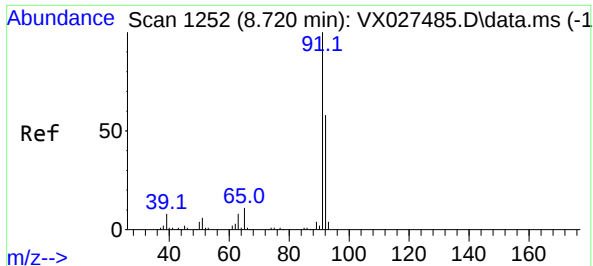


#51
4-Methyl-2-Pentanone
Concen: 10.331 ug/l
RT: 8.586 min Scan# 1230
Delta R.T. 0.006 min
Lab File: VX027647.D
Acq: 23 Mar 2022 05:17



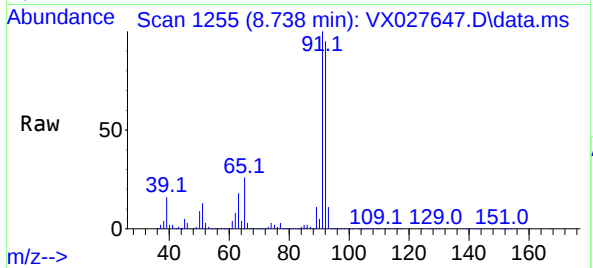
Tgt Ion: 43 Resp: 53198
Ion Ratio Lower Upper
43 100
58 45.9 36.1 54.1





#52
Toluene
Concen: 1683.611 ug/l
RT: 8.738 min Scan# 11
Delta R.T. 0.018 min
Lab File: VX027647.D
Acq: 23 Mar 2022 05:17

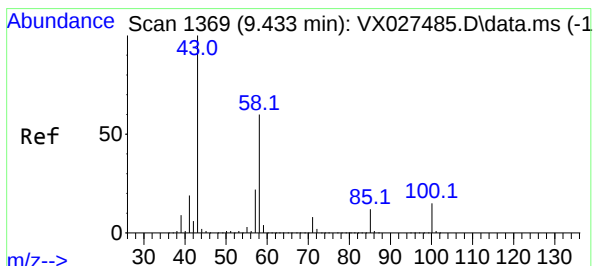
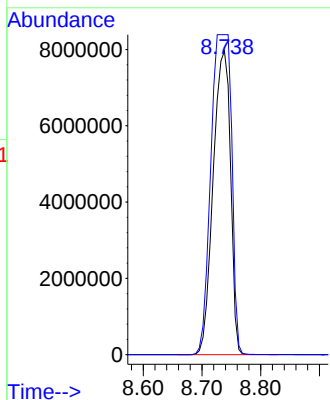
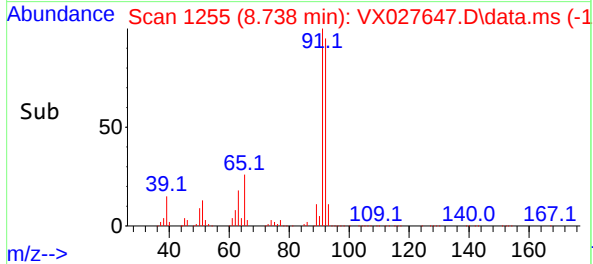
Instrument :
MSVOA_X
ClientSampleId :
DUP031722



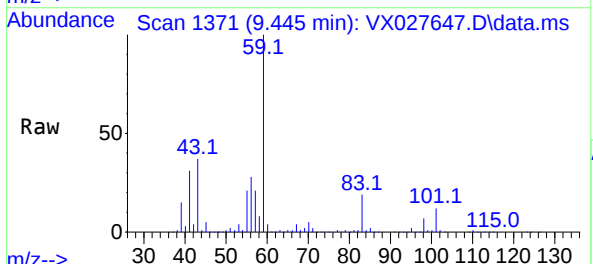
Tgt Ion: 92 Resp:1628156
Ion Ratio Lower Upper
92 100
91 126.5 137.5 206.3

Manual Integrations
APPROVED

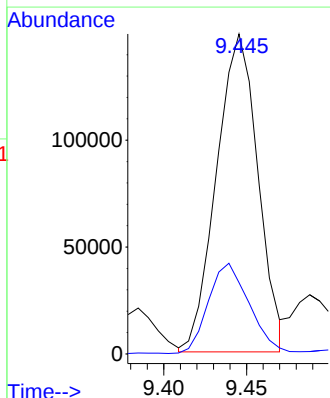
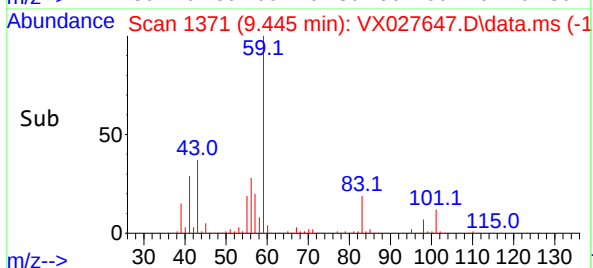
Reviewed By :John Carlone 03/24/2022
Supervised By :Mahesh Dadoda 03/24/2022

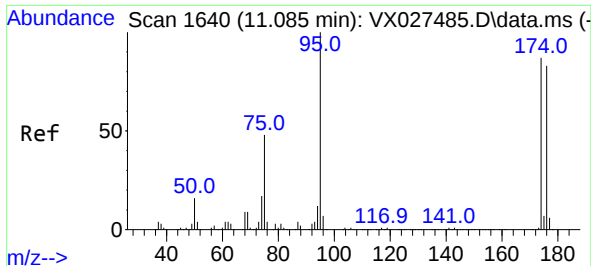


#59
2-Hexanone
Concen: 65.155 ug/l m
RT: 9.445 min Scan# 1371
Delta R.T. 0.012 min
Lab File: VX027647.D
Acq: 23 Mar 2022 05:17



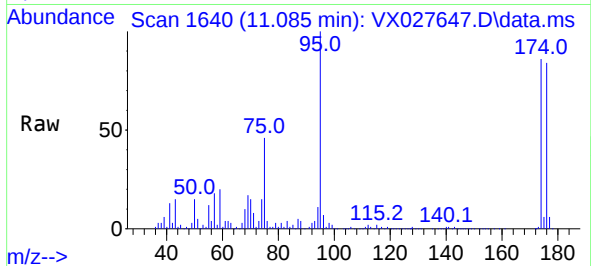
Tgt Ion: 43 Resp: 258408
Ion Ratio Lower Upper
43 100
58 55.2 31.9 95.7





#62
4-Bromofluorobenzene
Concen: 53.306 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX027647.D
Acq: 23 Mar 2022 05:17

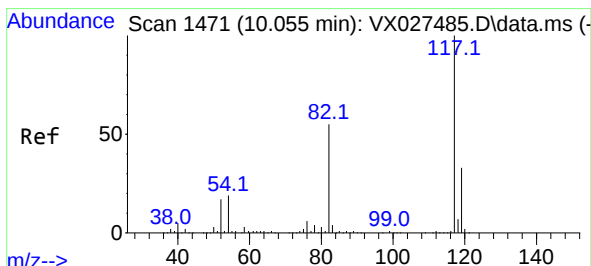
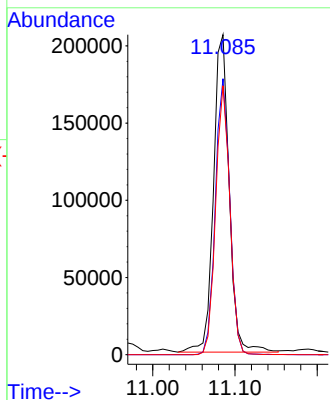
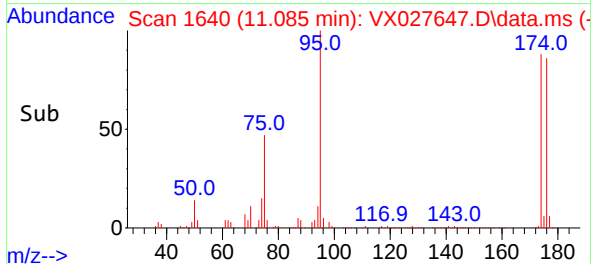
Instrument :
MSVOA_X
ClientSampleId :
DUP031722



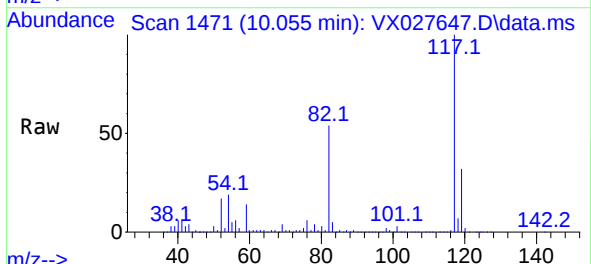
Tgt Ion: 95 Resp: 272908
Ion Ratio Lower Upper
95 100
174 80.0 0.0 163.0
176 76.6 0.0 155.0

Manual Integrations
APPROVED

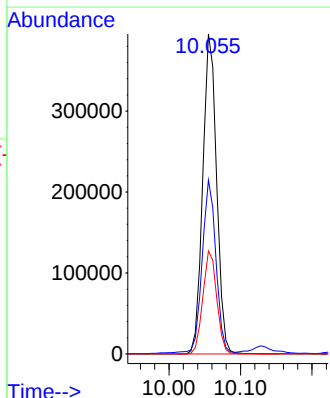
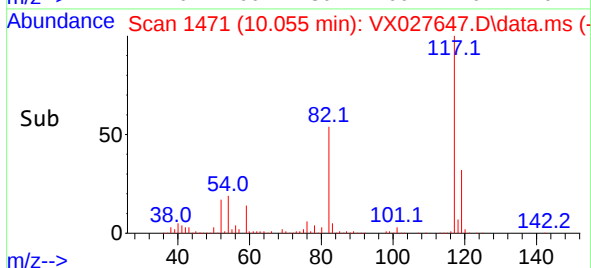
Reviewed By :John Carlone 03/24/2022
Supervised By :Mahesh Dadoda 03/24/2022

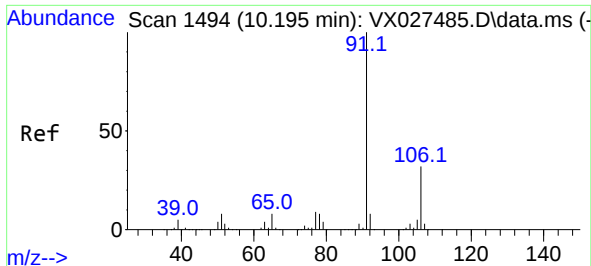


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX027647.D
Acq: 23 Mar 2022 05:17



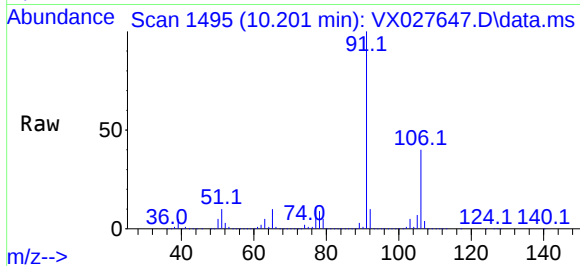
Tgt Ion:117 Resp: 531748
Ion Ratio Lower Upper
117 100
82 53.8 41.8 62.8
119 32.2 24.8 37.2





#67
Ethyl Benzene
Concen: 462.667 ug/l
RT: 10.201 min Scan# 1495
Delta R.T. 0.006 min
Lab File: VX027647.D
Acq: 23 Mar 2022 05:17

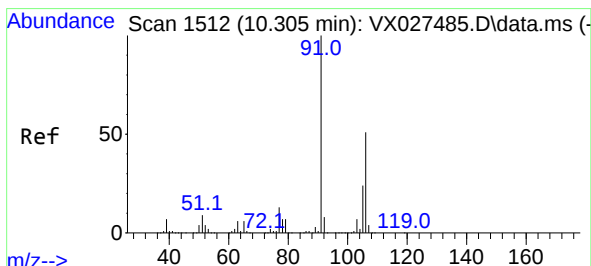
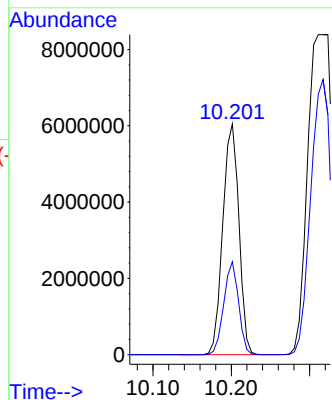
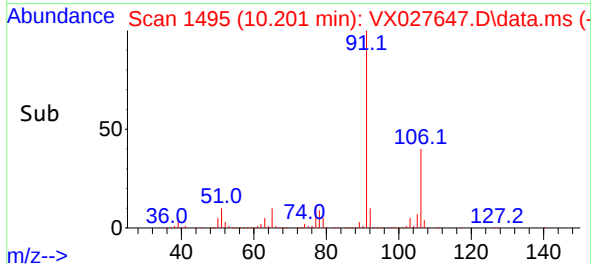
Instrument :
MSVOA_X
ClientSampleId :
DUP031722



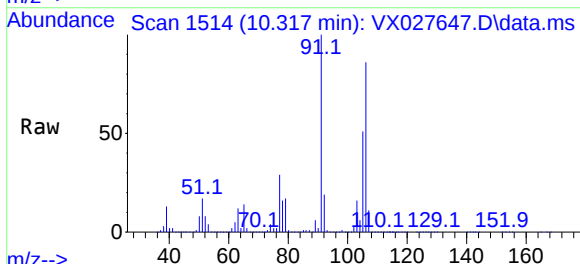
Tgt Ion: 91 Resp: 866256
Ion Ratio Lower Upper
91 100
106 40.3 24.6 36.8

Manual Integrations
APPROVED

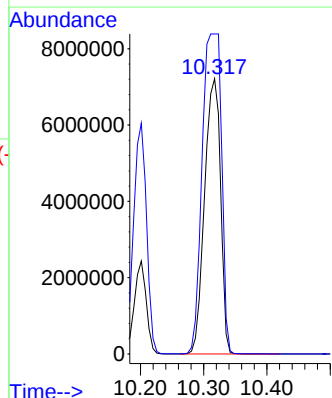
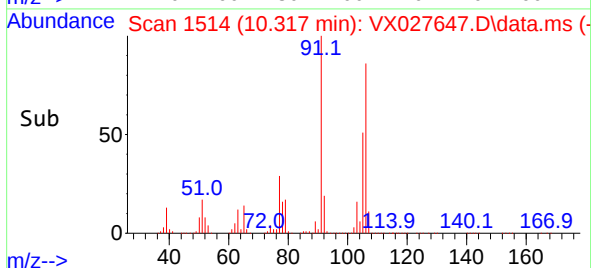
Reviewed By :John Carlone 03/24/2022
Supervised By :Mahesh Dadoda 03/24/2022

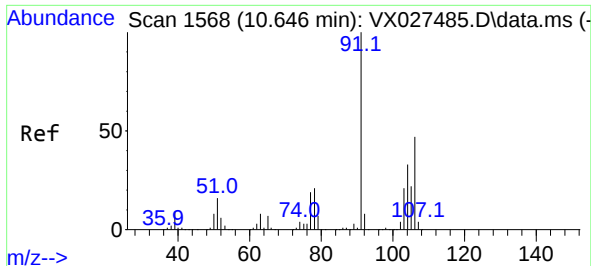


#68
m/p-Xylenes
Concen: 1718.940 ug/l
RT: 10.317 min Scan# 1514
Delta R.T. 0.012 min
Lab File: VX027647.D
Acq: 23 Mar 2022 05:17



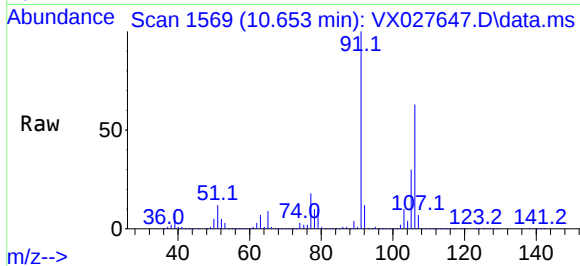
Tgt Ion:106 Resp:12672178
Ion Ratio Lower Upper
106 100
91 141.5 160.4 240.6





#69
o-Xylene
Concen: 930.398 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.006 min
Lab File: VX027647.D
Acq: 23 Mar 2022 05:17

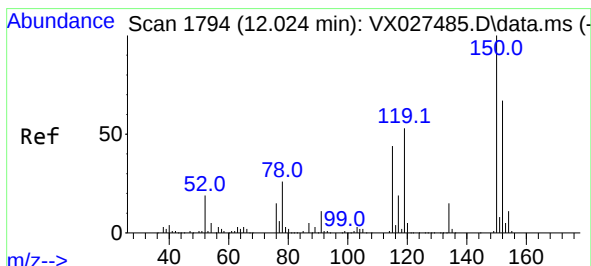
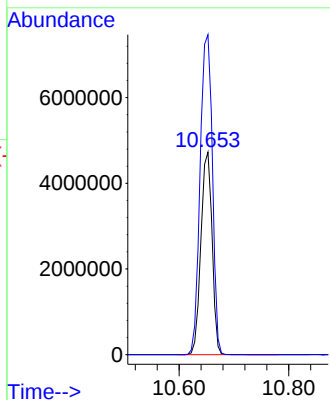
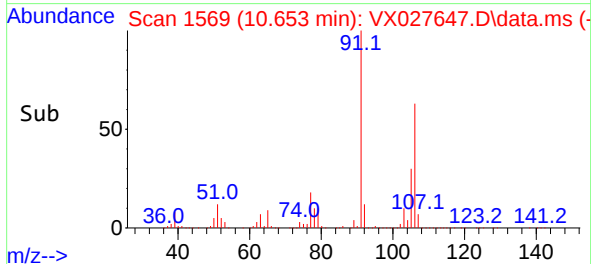
Instrument :
MSVOA_X
ClientSampleId :
DUP031722



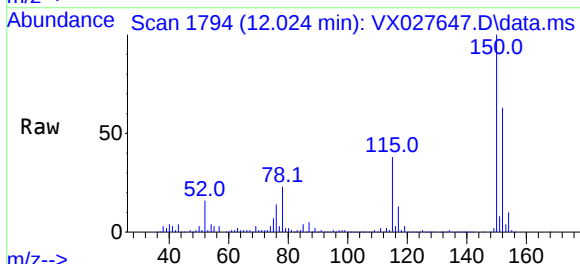
Tgt Ion:106 Resp: 6659679
Ion Ratio Lower Upper
106 100
91 173.7 106.1 318.1

Manual Integrations
APPROVED

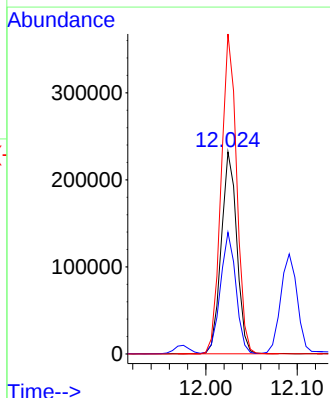
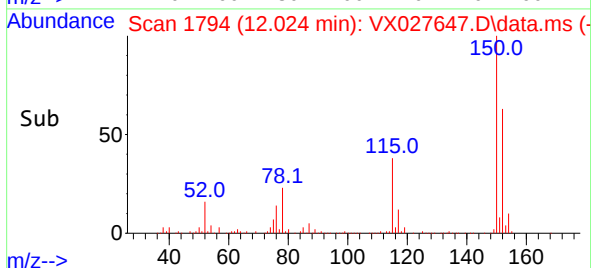
Reviewed By :John Carlone 03/24/2022
Supervised By :Mahesh Dadoda 03/24/2022

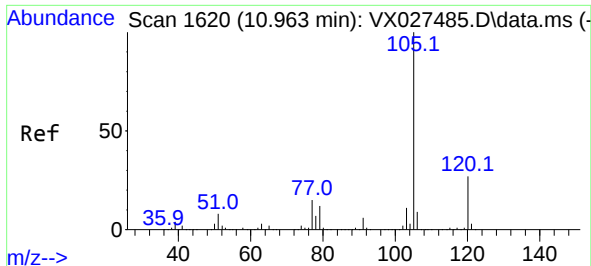


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX027647.D
Acq: 23 Mar 2022 05:17



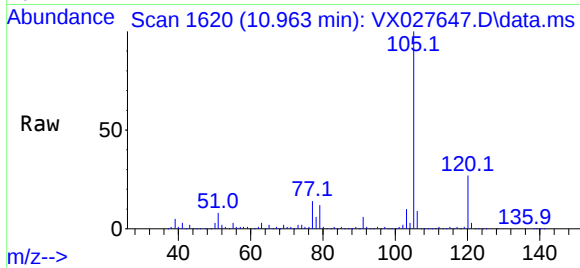
Tgt Ion:152 Resp: 275001
Ion Ratio Lower Upper
152 100
115 59.8 37.5 112.7
150 157.9 0.0 338.2





#73
Isopropylbenzene
Concen: 41.985 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX027647.D
Acq: 23 Mar 2022 05:17

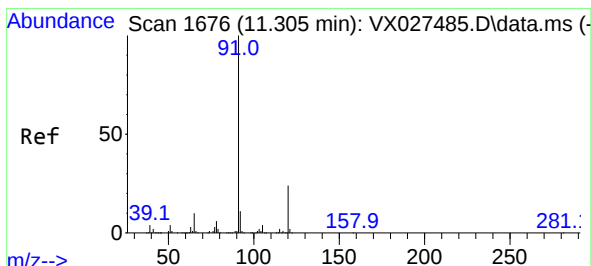
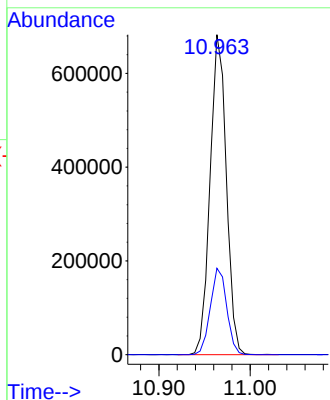
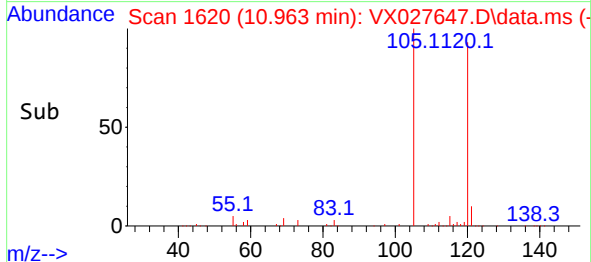
Instrument :
MSVOA_X
ClientSampleId :
DUP031722



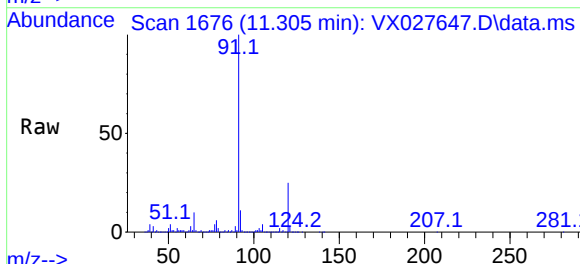
Tgt Ion:105 Resp: 840970
Ion Ratio Lower Upper
105 100
120 27.2 13.5 40.5

Manual Integrations
APPROVED

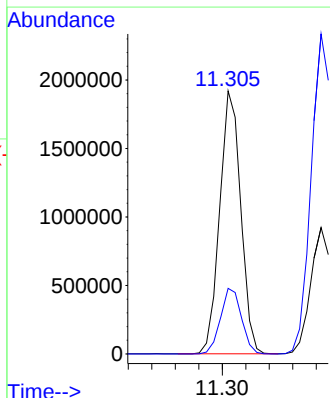
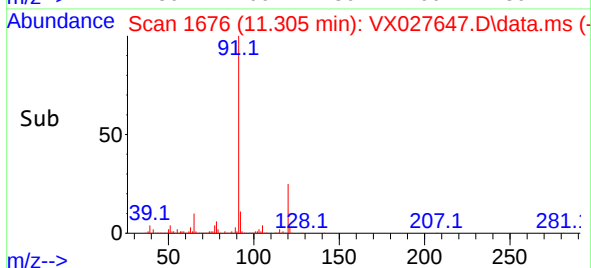
Reviewed By :John Carlone 03/24/2022
Supervised By :Mahesh Dadoda 03/24/2022

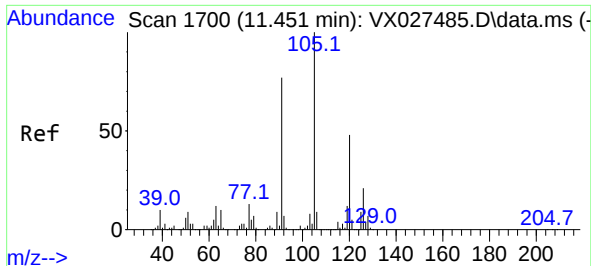


#78
n-propylbenzene
Concen: 108.658 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX027647.D
Acq: 23 Mar 2022 05:17



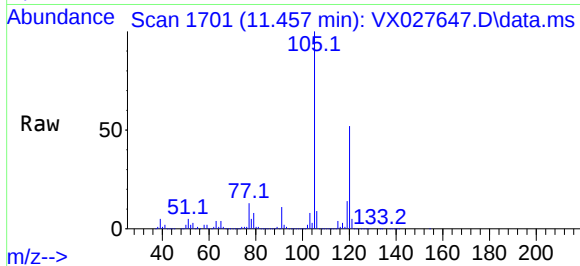
Tgt Ion: 91 Resp: 2389212
Ion Ratio Lower Upper
91 100
120 24.9 11.6 34.8





#80
1,3,5-Trimethylbenzene
Concen: 222.654 ug/l
RT: 11.457 min Scan# 1700
Delta R.T. 0.006 min
Lab File: VX027647.D
Acq: 23 Mar 2022 05:17

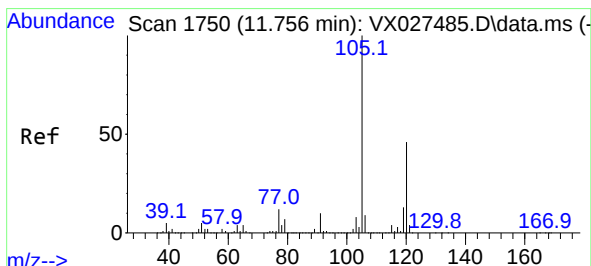
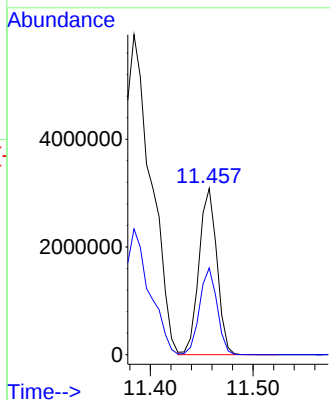
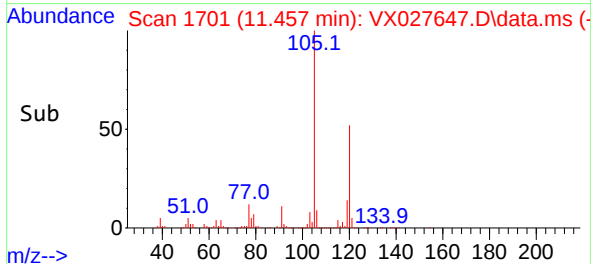
Instrument :
MSVOA_X
ClientSampleId :
DUP031722



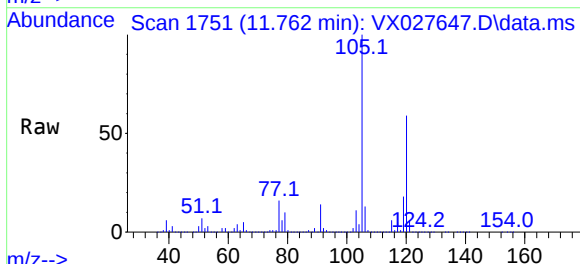
Tgt Ion:105 Resp: 375361
Ion Ratio Lower Upper
105 100
120 50.9 24.3 72.9

Manual Integrations
APPROVED

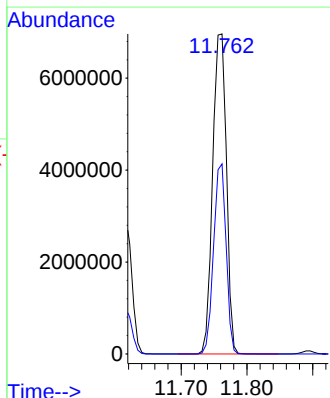
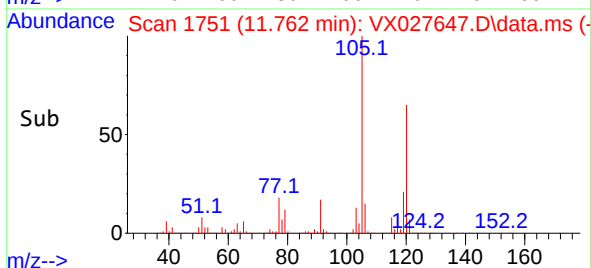
Reviewed By :John Carlone 03/24/2022
Supervised By :Mahesh Dadoda 03/24/2022

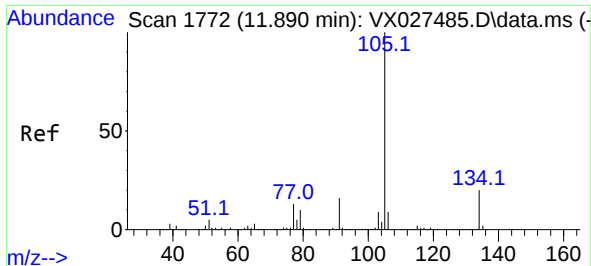


#84
1,2,4-Trimethylbenzene
Concen: 601.813 ug/l
RT: 11.762 min Scan# 1751
Delta R.T. 0.006 min
Lab File: VX027647.D
Acq: 23 Mar 2022 05:17



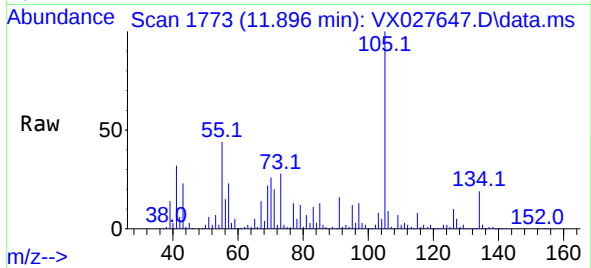
Tgt Ion:105 Resp:10118163
Ion Ratio Lower Upper
105 100
120 54.3 22.6 67.8





#85
sec-Butylbenzene
Concen: 4.279 ug/l m
RT: 11.896 min Scan# 1773
Delta R.T. 0.006 min
Lab File: VX027647.D
Acq: 23 Mar 2022 05:17

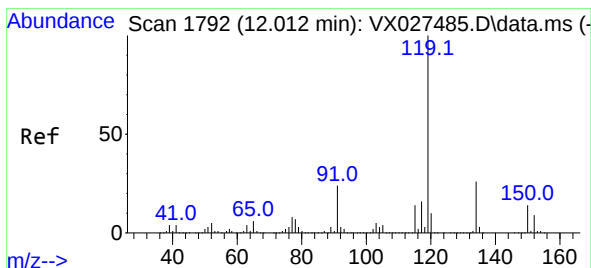
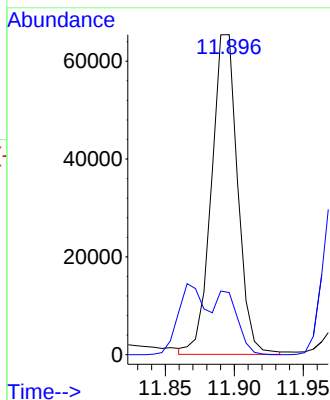
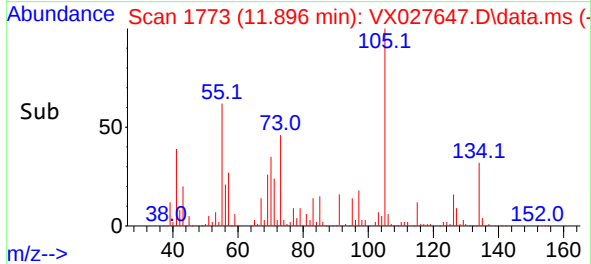
Instrument :
MSVOA_X
ClientSampleId :
DUP031722



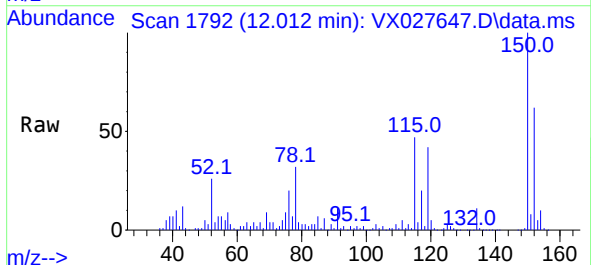
Tgt Ion:105 Resp: 86362
Ion Ratio Lower Upper
105 100
134 0.0 10.2 30.4

Manual Integrations
APPROVED

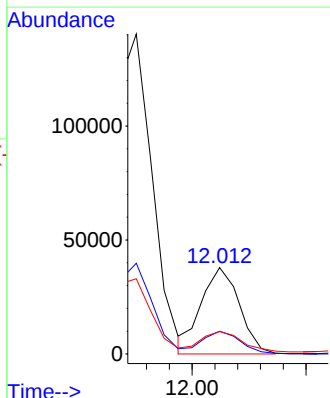
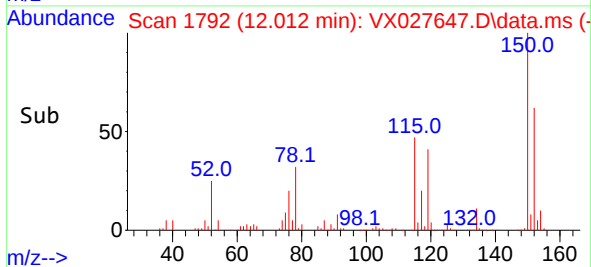
Reviewed By :John Carlone 03/24/2022
Supervised By :Mahesh Dadoda 03/24/2022

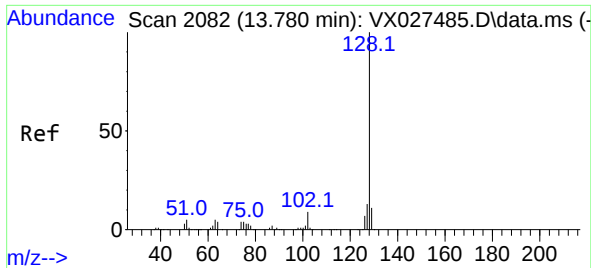


#86
p-Isopropyltoluene
Concen: 2.543 ug/l m
RT: 12.012 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VX027647.D
Acq: 23 Mar 2022 05:17



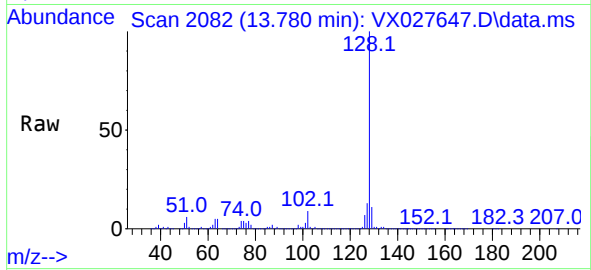
Tgt Ion:119 Resp: 44084
Ion Ratio Lower Upper
119 100
134 107.4 13.0 39.0#
91 89.9 11.3 33.9#





#95
Naphthalene
Concen: 82.935 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX027647.D
Acq: 23 Mar 2022 05:17

Instrument :
MSVOA_X
ClientSampleId :
DUP031722



Tgt Ion:128 Resp: 1580600
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.4
129 11.4 8.7 13.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/24/2022
Supervised By :Mahesh Dadoda 03/24/2022

