

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051923\
 Data File : VY013819.D
 Acq On : 19 May 2023 14:26
 Operator : KP/MD
 Sample : 02852-02
 Misc : 6.66g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CB-32-G3-SO-14.5-051823

Quant Time: May 22 04:20:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051723S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 18 06:54:18 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 05/22/2023
 Supervised By :Mahesh Dadoda 05/22/2023

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	183251	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	297572	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	280942	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	131254	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	125947	59.164	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 118.320%			
35) Dibromofluoromethane	7.722	113	98961	51.861	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.720%			
50) Toluene-d8	10.179	98	357895	49.472	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.940%			
62) 4-Bromofluorobenzene	12.477	95	123857	51.545	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.080%			
Target Compounds					Qvalue	
4) Vinyl Chloride	2.253	62	65775	33.023	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.905	101	505559	297.986	ug/l	97
12) 1,1-Dichloroethene	3.881	96	17641	11.471	ug/l	90
16) Acetone	3.954	43	74053	115.301	ug/l	100
17) Carbon Disulfide	4.192	76	6574	1.488	ug/l #	94
20) Methylene Chloride	4.722	84	15038	1.858	ug/l	98
21) trans-1,2-Dichloroethene	5.228	96	12125	7.002	ug/l	95
24) 1,1-Dichloroethane	6.021	63	62557	17.759	ug/l	98
27) cis-1,2-Dichloroethene	6.990	96	4484653	2197.958	ug/l	91
29) Tetrahydrofuran	7.368	42	1478	2.959	ug/l	94
40) Benzene	8.161	78	38620	5.041	ug/l	97
42) 1,2-Dichloroethane	8.234	62	3471	1.402	ug/l	100
44) Trichloroethene	8.935	130	24255826m	12110.324	ug/l	
52) Toluene	10.246	92	7601	1.636	ug/l	94
55) 1,1,2-Trichloroethane	10.642	97	4717	2.941	ug/l #	88
64) Tetrachloroethene	10.721	164	77800	43.654	ug/l	98
65) Chlorobenzene	11.514	112	12973	2.440	ug/l	94
67) Ethyl Benzene	11.593	91	64793	6.857	ug/l	99
68) m/p-Xylenes	11.697	106	67855	19.172	ug/l	98
69) o-Xylene	12.026	106	21072	6.259	ug/l	94

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

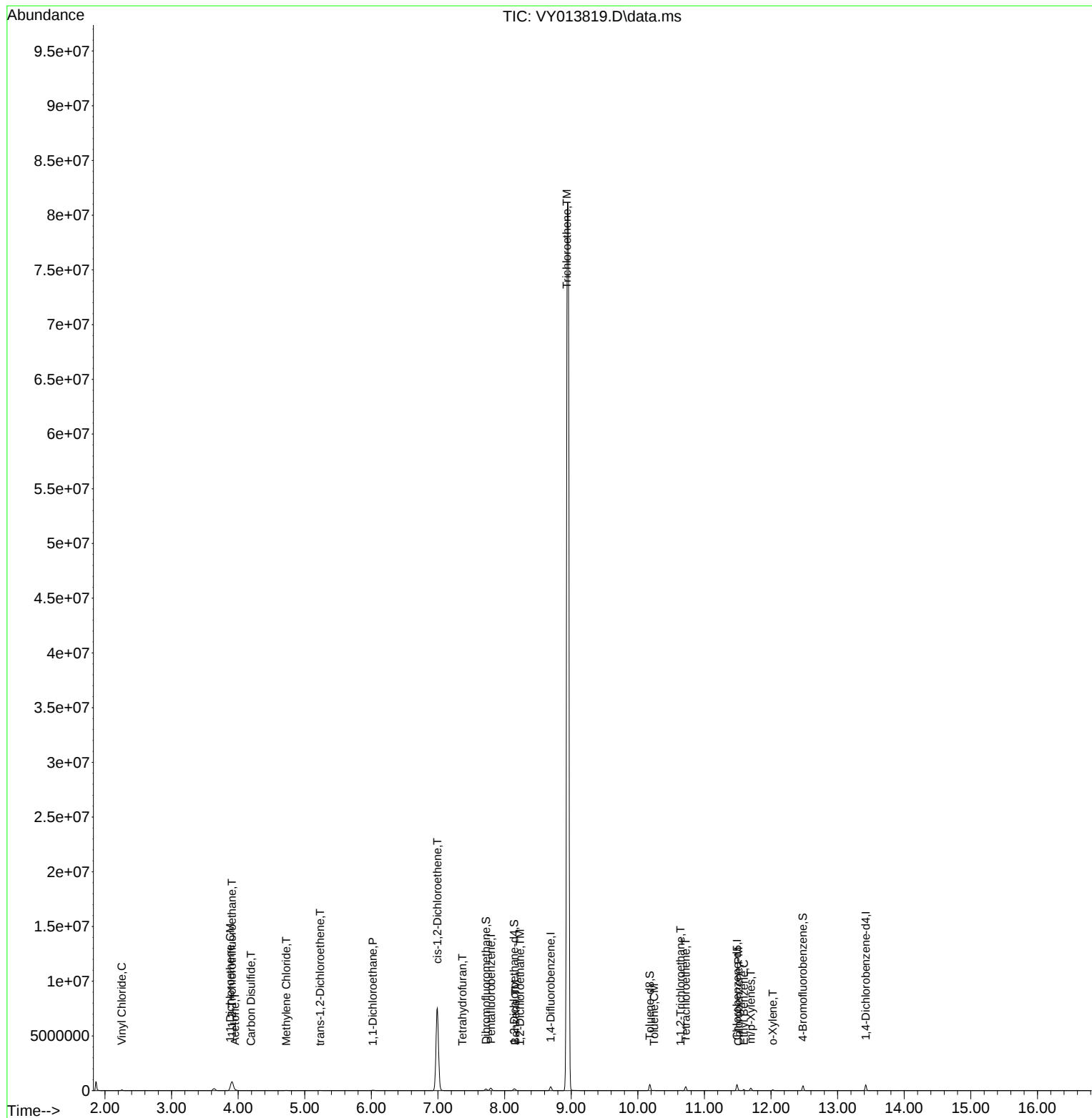
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051923\
Data File : VY013819.D
Acq On : 19 May 2023 14:26
Operator : KP/MD
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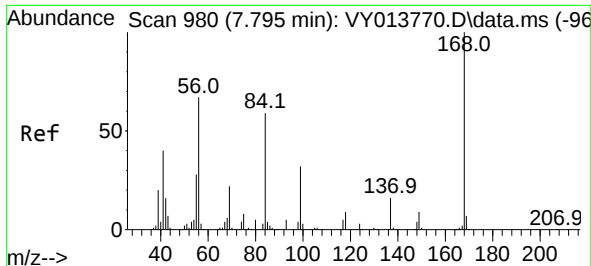
Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-14.5-051823

Quant Time: May 22 04:20:08 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051723S.M
Quant Title : SW846 8260
QLast Update : Thu May 18 06:54:18 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

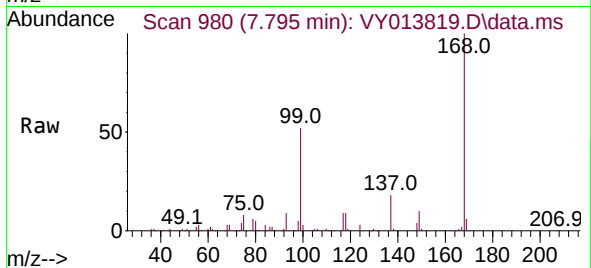
Reviewed By :Krupa Patel 05/22/2023
Supervised By :Mahesh Dadoda 05/22/2023





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 99
Delta R.T. -0.000 min
Lab File: VY013819.D
Acq: 19 May 2023 14:26

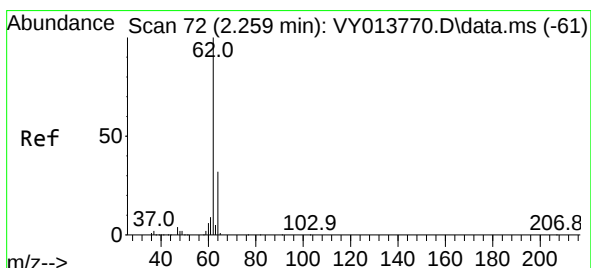
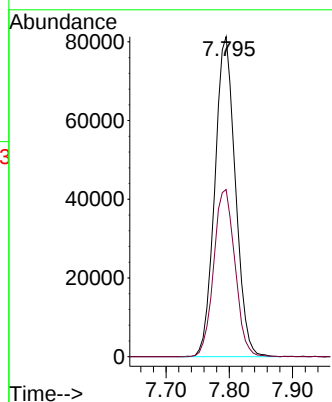
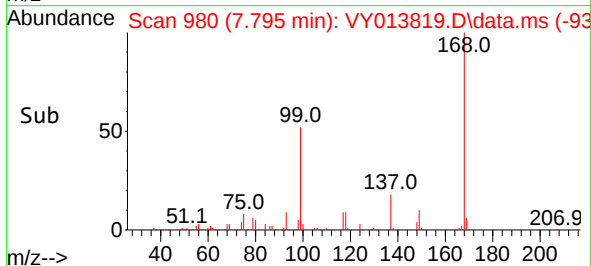
Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-14.5-051823



Tgt Ion:168 Resp: 18325
Ion Ratio Lower Upper
168 100
99 52.2 44.0 66.0

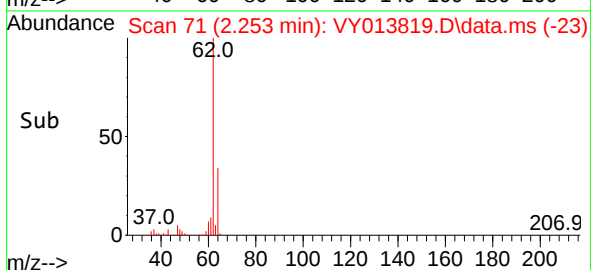
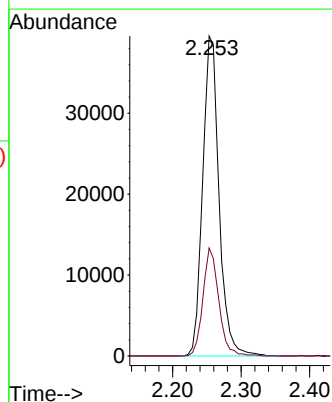
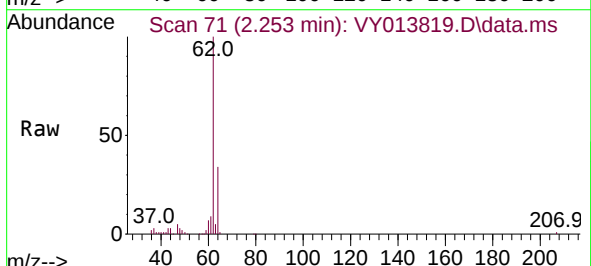
Manual Integrations
APPROVED

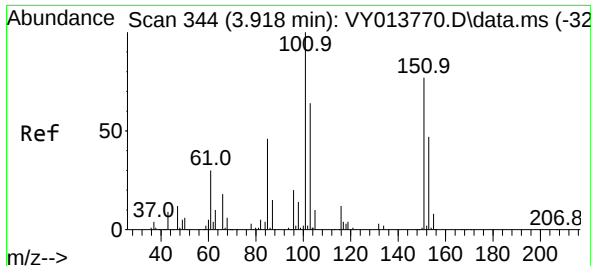
Reviewed By :Krupa Patel 05/22/2023
Supervised By :Mahesh Dadoda 05/22/2023



#4
Vinyl Chloride
Concen: 33.023 ug/l
RT: 2.253 min Scan# 71
Delta R.T. -0.006 min
Lab File: VY013819.D
Acq: 19 May 2023 14:26

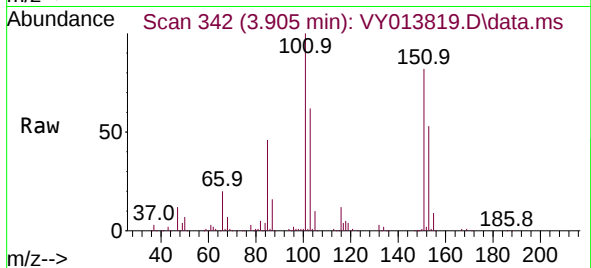
Tgt Ion: 62 Resp: 65775
Ion Ratio Lower Upper
62 100
64 33.8 25.8 38.6





#9
1,1,2-Trichlorotrifluoroethane
Concen: 297.986 ug/l
RT: 3.905 min Scan# 344
Delta R.T. -0.012 min
Lab File: VY013819.D
Acq: 19 May 2023 14:26

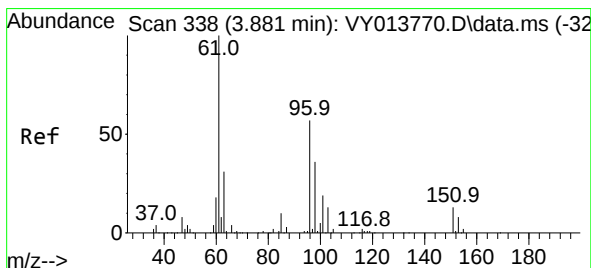
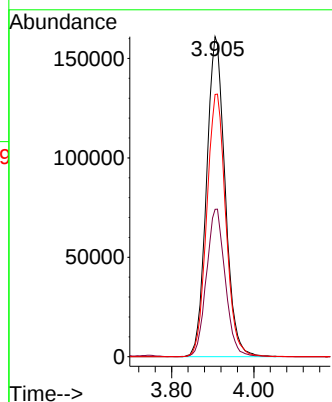
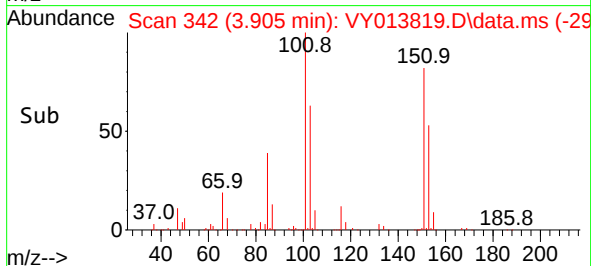
Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-14.5-051823



Tgt Ion: 101 Resp: 50555
Ion Ratio Lower Upper
101 100
85 46.5 37.8 56.8
151 83.8 64.2 96.2

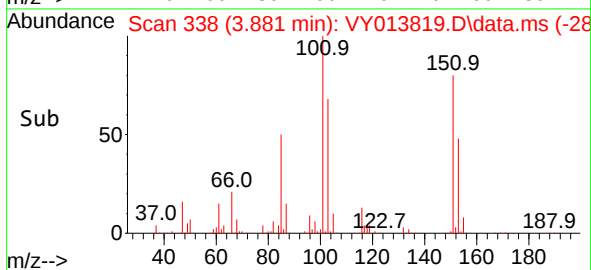
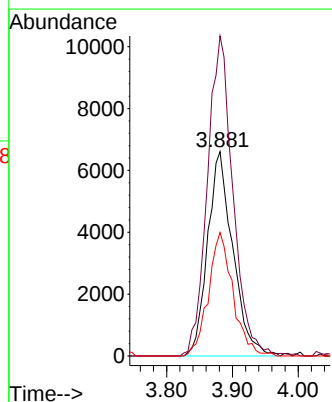
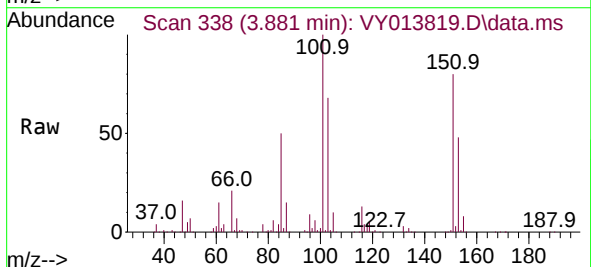
Manual Integrations
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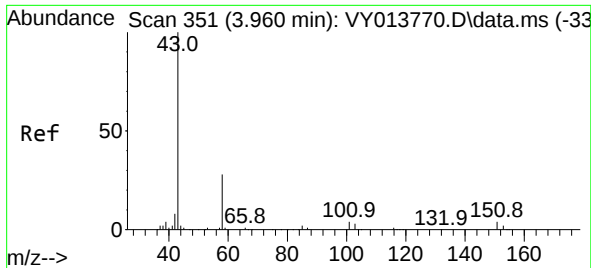
Reviewed By :Krupa Patel 05/22/2023
Supervised By :Mahesh Dadoda 05/22/2023



#12
1,1-Dichloroethene
Concen: 11.471 ug/l
RT: 3.881 min Scan# 338
Delta R.T. 0.000 min
Lab File: VY013819.D
Acq: 19 May 2023 14:26

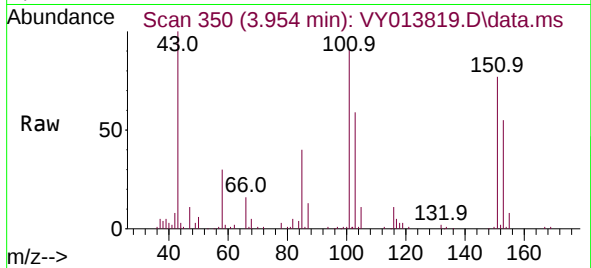
Tgt Ion: 96 Resp: 17641
Ion Ratio Lower Upper
96 100
61 156.6 139.8 209.6
98 60.5 49.7 74.5





#16
Acetone
Concen: 115.301 ug/l
RT: 3.954 min Scan# 351
Delta R.T. -0.006 min
Lab File: VY013819.D
Acq: 19 May 2023 14:26

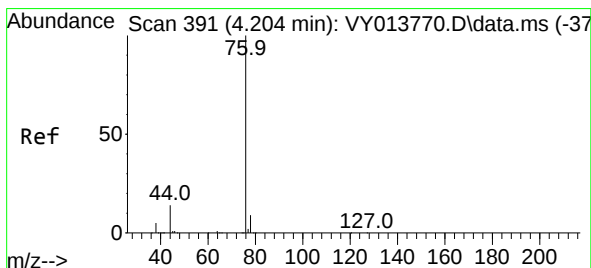
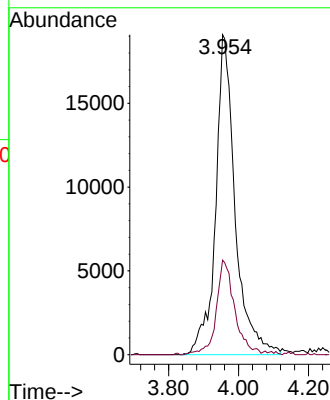
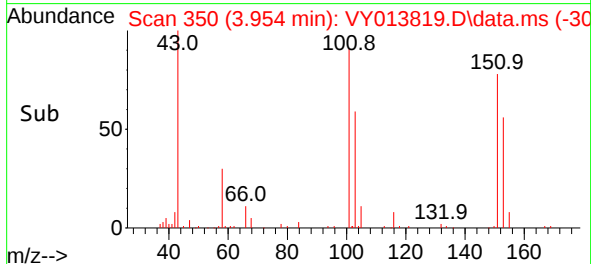
Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-14.5-051823



Tgt Ion: 43 Resp: 7405
Ion Ratio Lower Upper
43 100
58 29.5 23.7 35.5

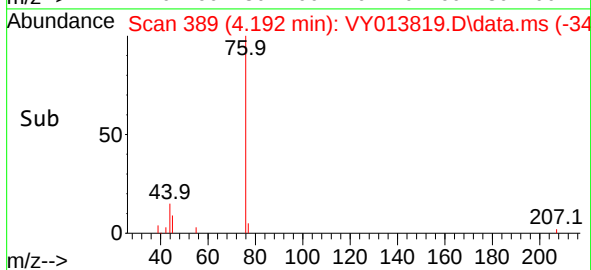
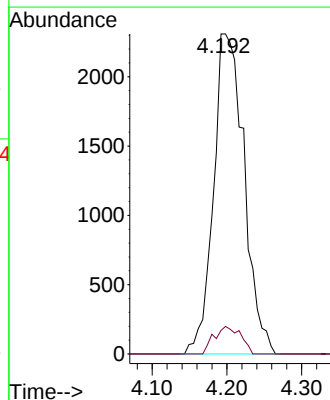
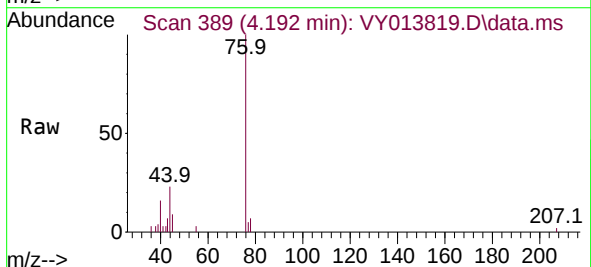
Manual Integrations
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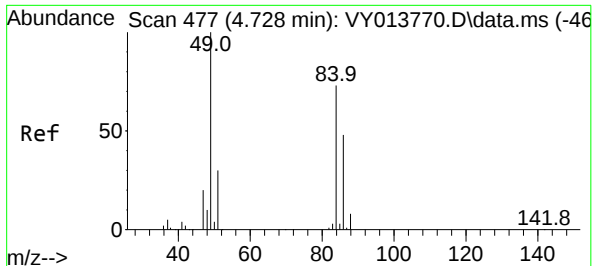
Reviewed By :Krupa Patel 05/22/2023
Supervised By :Mahesh Dadoda 05/22/2023



#17
Carbon Disulfide
Concen: 1.488 ug/l
RT: 4.192 min Scan# 389
Delta R.T. -0.012 min
Lab File: VY013819.D
Acq: 19 May 2023 14:26

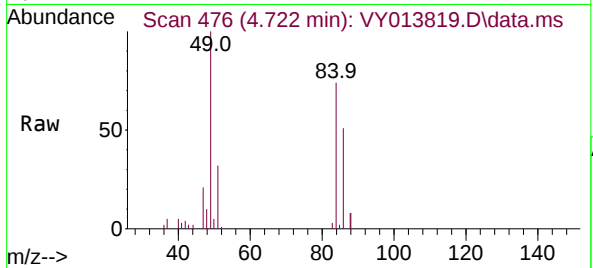
Tgt Ion: 76 Resp: 6574
Ion Ratio Lower Upper
76 100
78 7.4 7.5 11.3#





#20
Methylene Chloride
Concen: 1.858 ug/l
RT: 4.722 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY013819.D
Acq: 19 May 2023 14:26

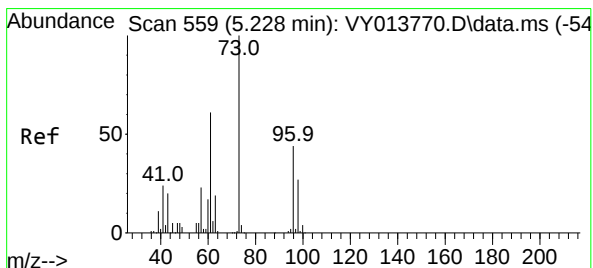
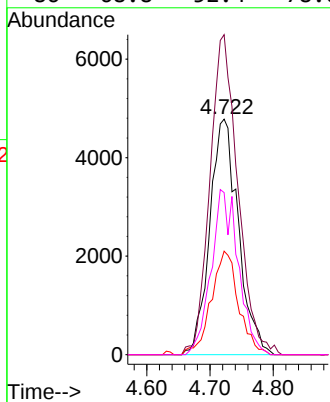
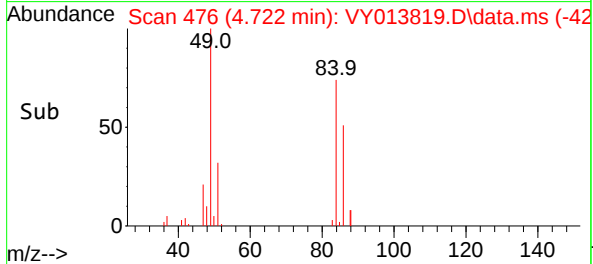
Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-14.5-051823



Tgt Ion: 84	Resp: 1503
Ion Ratio	Lower Upper
84	100
49	135.9 109.4 164.0
51	44.0 32.8 49.2
86	68.8 52.4 78.6

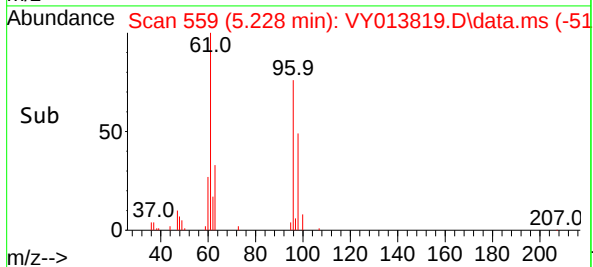
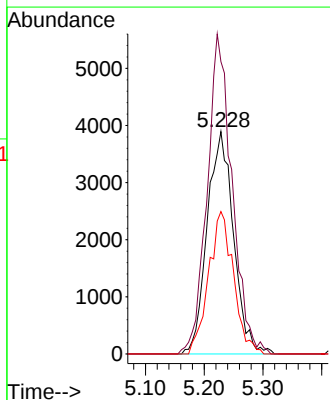
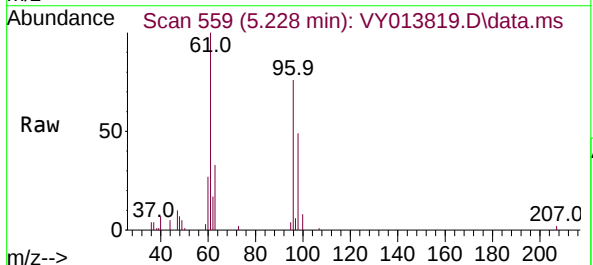
Manual Integrations
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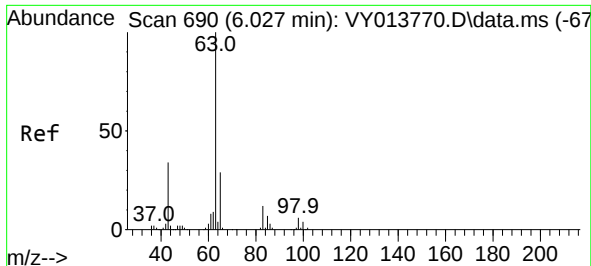
Reviewed By :Krupa Patel 05/22/2023
Supervised By :Mahesh Dadoda 05/22/2023



#21
trans-1,2-Dichloroethene
Concen: 7.002 ug/l
RT: 5.228 min Scan# 559
Delta R.T. 0.000 min
Lab File: VY013819.D
Acq: 19 May 2023 14:26

Tgt Ion: 96	Resp: 12125
Ion Ratio	Lower Upper
96	100
61	131.5 110.8 166.2
98	64.1 48.6 72.8





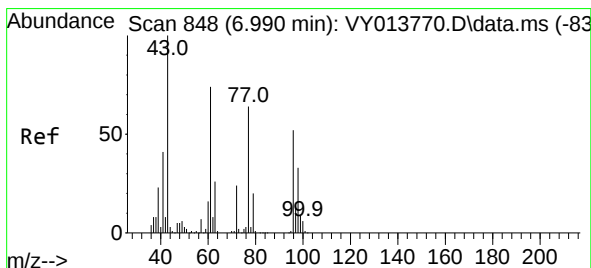
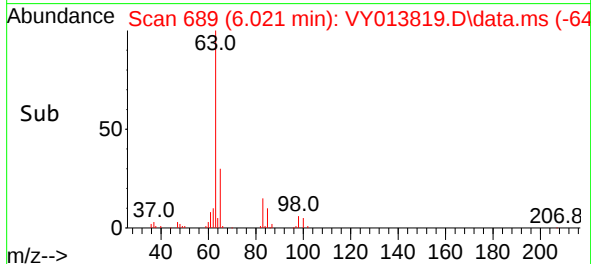
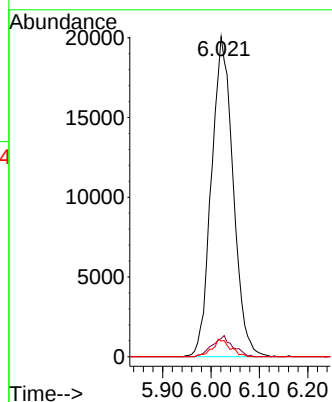
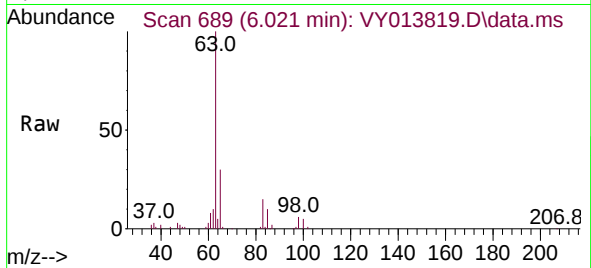
#24
1,1-Dichloroethane
Concen: 17.759 ug/l
RT: 6.021 min Scan# 61
Delta R.T. -0.006 min
Lab File: VY013819.D
Acq: 19 May 2023 14:26

Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-14.5-051823

Tgt Ion: 63 Resp: 6255
Ion Ratio Lower Upper
63 100
98 5.7 3.0 9.0
100 4.9 2.0 6.0

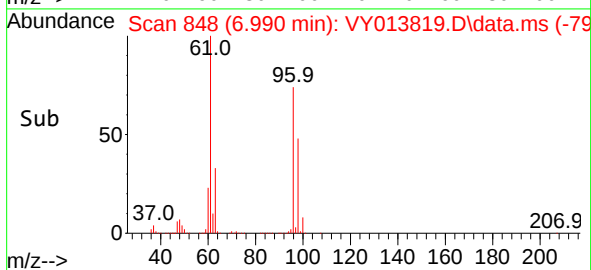
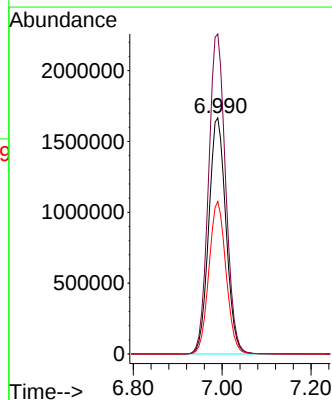
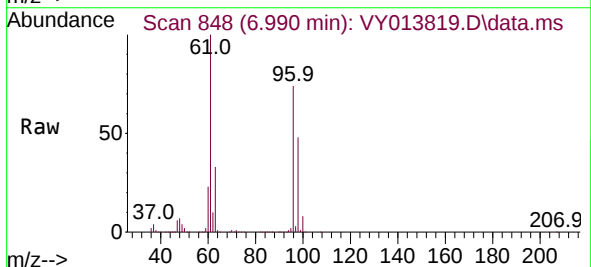
Manual Integrations
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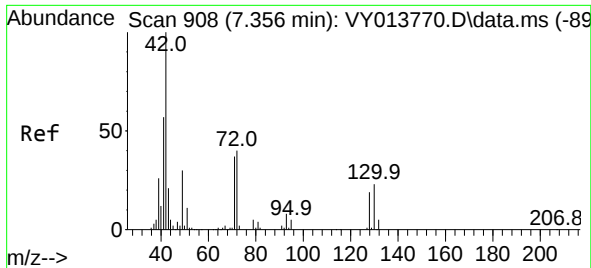
Reviewed By :Krupa Patel 05/22/2023
Supervised By :Mahesh Dadoda 05/22/2023



#27
cis-1,2-Dichloroethene
Concen: 2197.958 ug/l
RT: 6.990 min Scan# 848
Delta R.T. 0.000 min
Lab File: VY013819.D
Acq: 19 May 2023 14:26

Tgt Ion: 96 Resp: 4484653
Ion Ratio Lower Upper
96 100
61 134.7 0.0 300.6
98 64.2 0.0 127.8





#29

Tetrahydrofuran

Concen: 2.959 ug/l

RT: 7.368 min Scan# 910

Delta R.T. 0.012 min

Lab File: VY013819.D

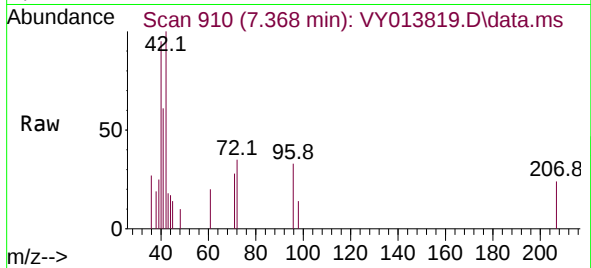
Acq: 19 May 2023 14:26

Instrument :

MSVOA_Y

ClientSampleId :

CB-32-G3-SO-14.5-051823



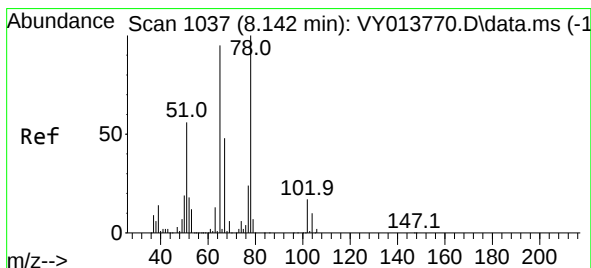
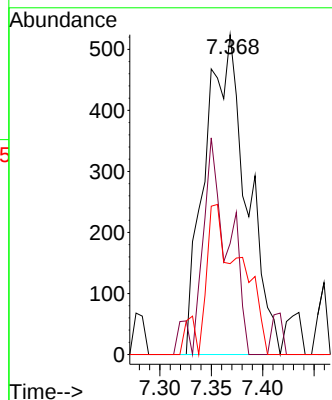
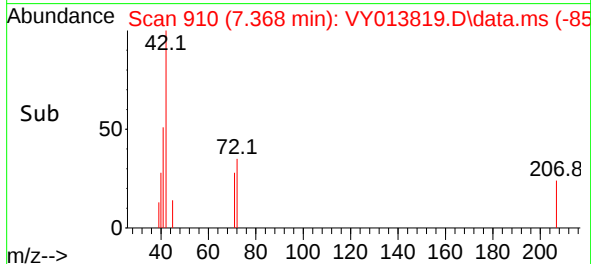
Tgt Ion:	42	Resp:	1478
Ion	Ratio	Lower	Upper
42	100		
72	42.3	30.7	46.1
71	40.2	29.0	43.6

Manual Integrations

APPROVED

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Supervised By :Mahesh Dadoda 05/22/2023



#33

1,2-Dichloroethane-d4

Concen: 59.164 ug/l

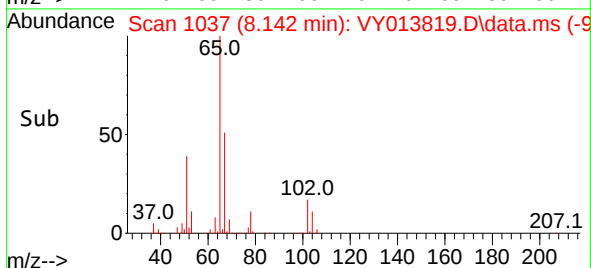
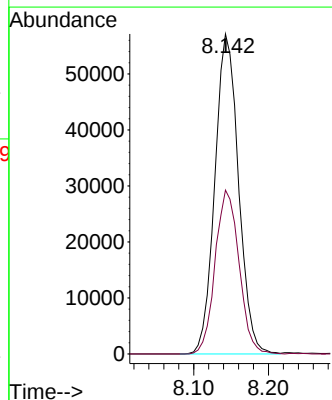
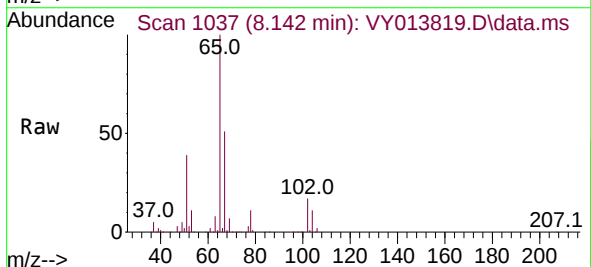
RT: 8.142 min Scan# 1037

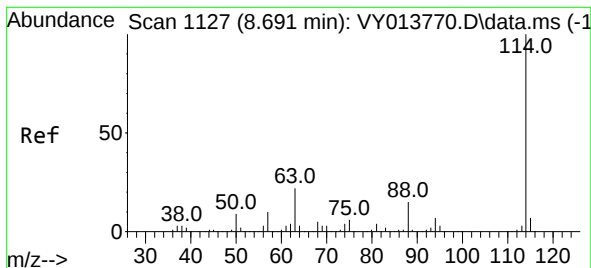
Delta R.T. 0.000 min

Lab File: VY013819.D

Acq: 19 May 2023 14:26

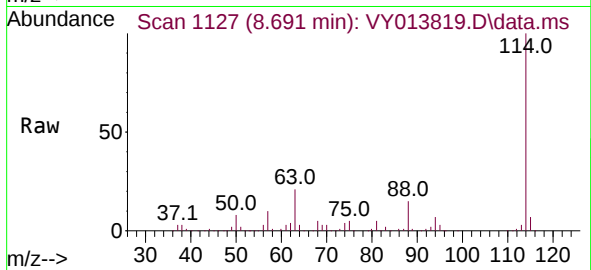
Tgt Ion:	65	Resp:	125947
Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	105.6





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY013819.D
Acq: 19 May 2023 14:26

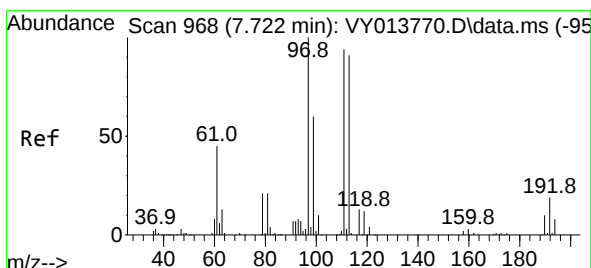
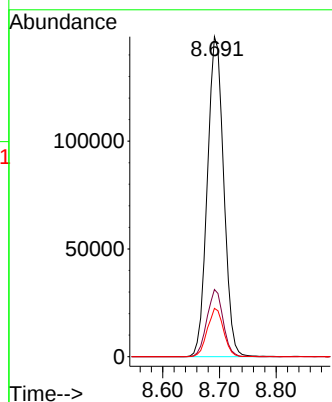
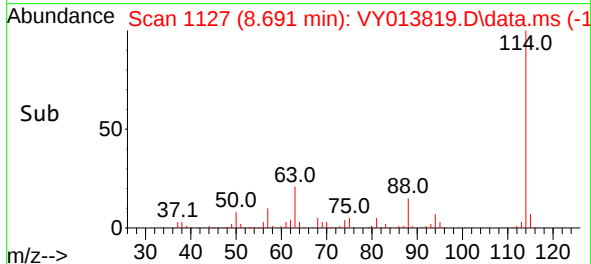
Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-14.5-051823



Tgt Ion:114 Resp: 297572
Ion Ratio Lower Upper
114 100
63 21.0 0.0 43.8
88 15.1 0.0 30.8

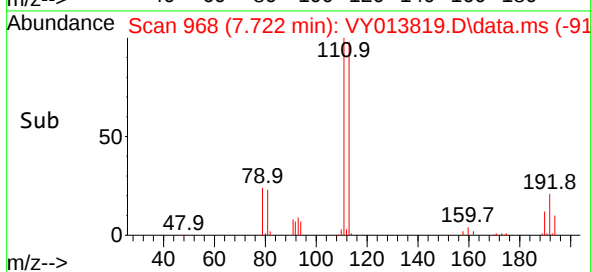
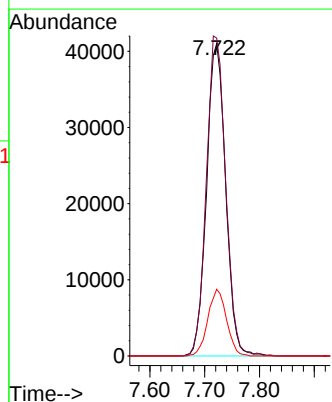
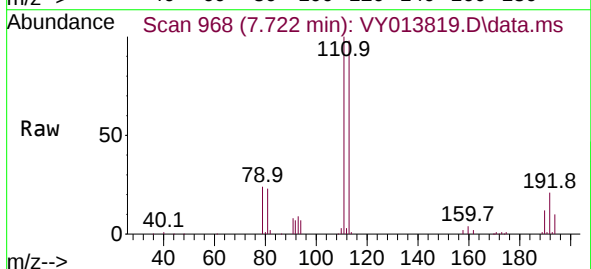
Manual Integrations
APPROVED

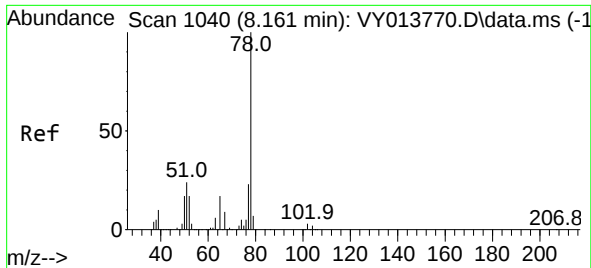
Reviewed By :Krupa Patel 05/22/2023
Supervised By :Mahesh Dadoda 05/22/2023



#35
Dibromofluoromethane
Concen: 51.861 ug/l
RT: 7.722 min Scan# 968
Delta R.T. 0.000 min
Lab File: VY013819.D
Acq: 19 May 2023 14:26

Tgt Ion:113 Resp: 98961
Ion Ratio Lower Upper
113 100
111 103.5 82.3 123.5
192 20.9 16.0 24.0





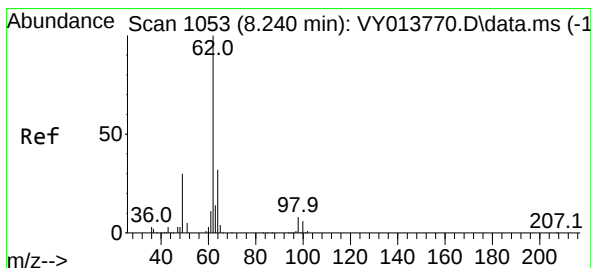
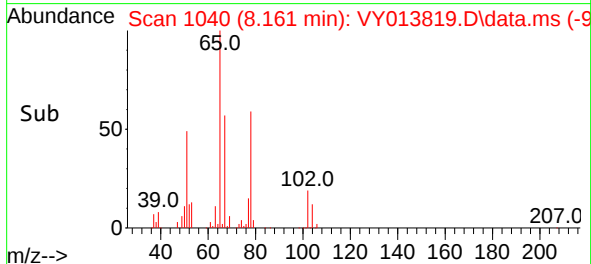
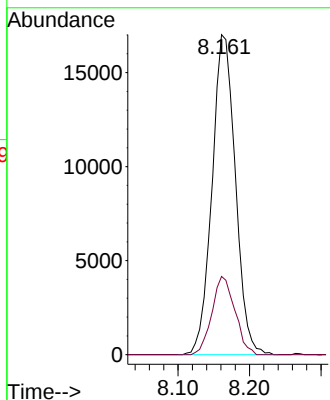
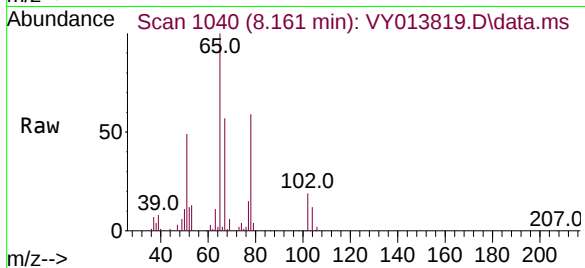
#40
Benzene
Concen: 5.041 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY013819.D
Acq: 19 May 2023 14:26

Instrument : MSVOA_Y
ClientSampleId : CB-32-G3-SO-14.5-051823

Tgt Ion: 78 Resp: 38620
Ion Ratio Lower Upper
78 100
77 24.5 18.6 27.8

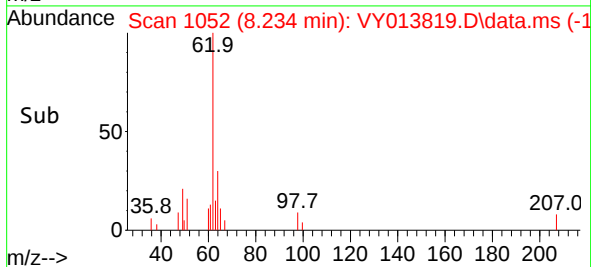
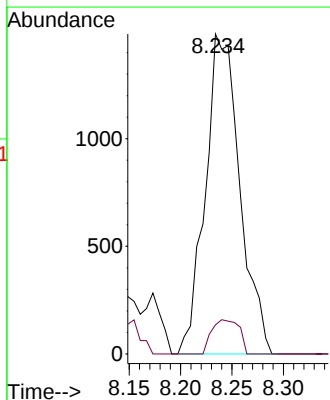
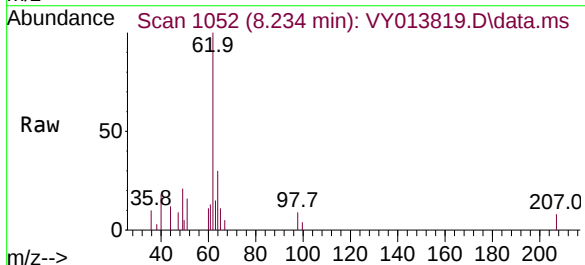
Manual Integrations
APPROVED

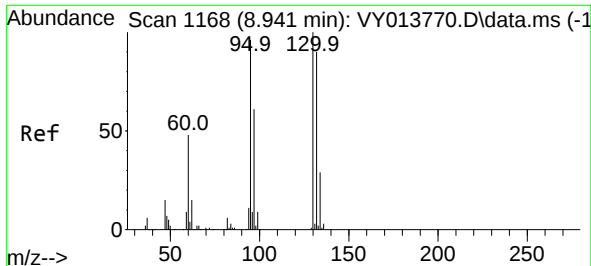
Reviewed By :Krupa Patel 05/22/2023
Supervised By :Mahesh Dadoda 05/22/2023



#42
1,2-Dichloroethane
Concen: 1.402 ug/l
RT: 8.234 min Scan# 1052
Delta R.T. -0.006 min
Lab File: VY013819.D
Acq: 19 May 2023 14:26

Tgt Ion: 62 Resp: 3471
Ion Ratio Lower Upper
62 100
98 8.5 0.0 16.8





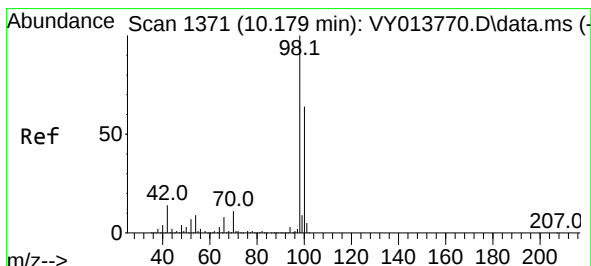
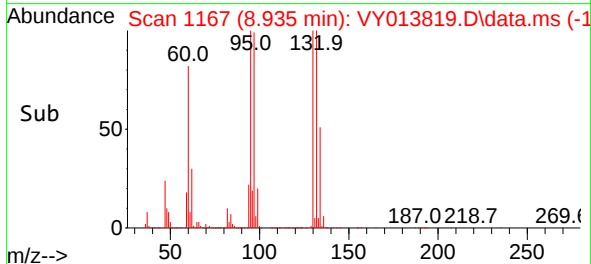
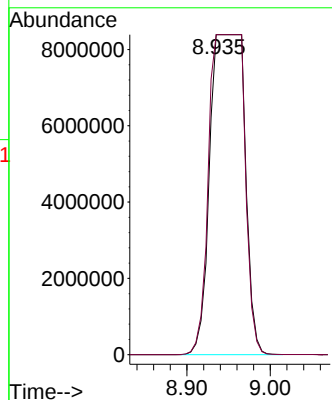
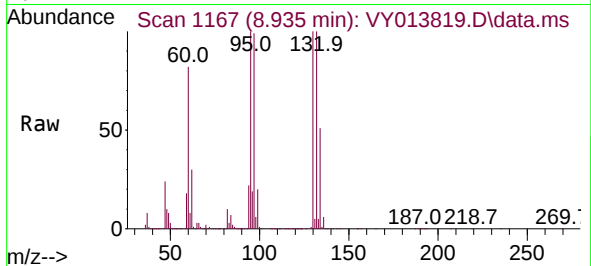
#44
Trichloroethene
Concen: 12110.324 ug/l m
RT: 8.935 min Scan# 1168
Delta R.T. -0.006 min
Lab File: VY013819.D
Acq: 19 May 2023 14:26

Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-14.5-051823

Tgt Ion:130 Resp:2425582
Ion Ratio Lower Upper
130 100
95 100.0 0.0 193.0

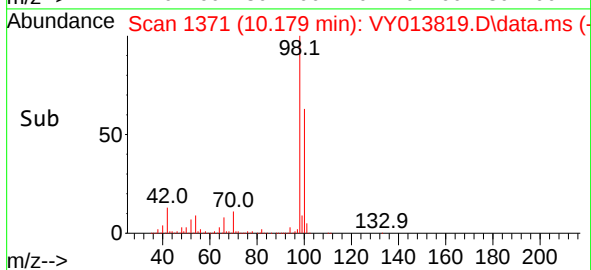
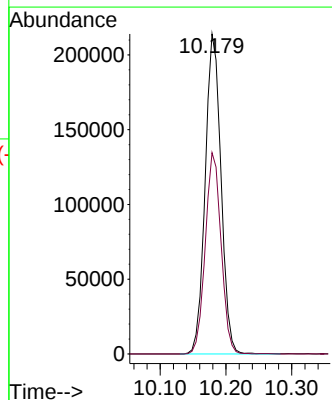
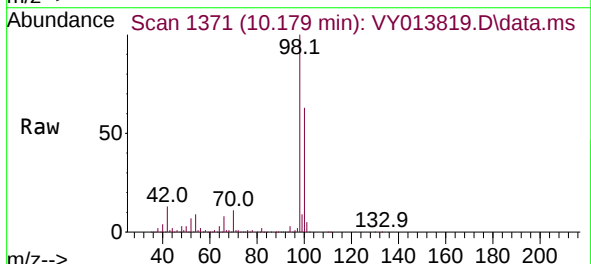
Manual Integrations
APPROVED

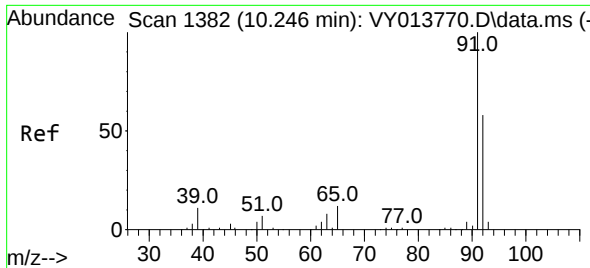
Reviewed By :Krupa Patel 05/22/2023
Supervised By :Mahesh Dadoda 05/22/2023



#50
Toluene-d8
Concen: 49.472 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY013819.D
Acq: 19 May 2023 14:26

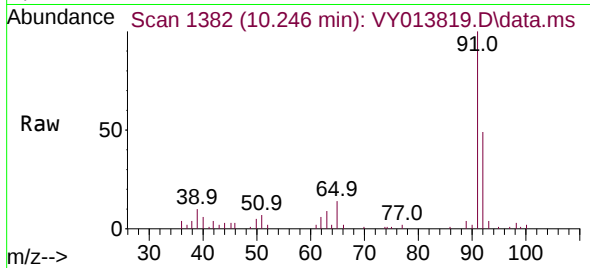
Tgt Ion: 98 Resp: 357895
Ion Ratio Lower Upper
98 100
100 62.9 51.0 76.6





#52
Toluene
Concen: 1.636 ug/l
RT: 10.246 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY013819.D
Acq: 19 May 2023 14:26

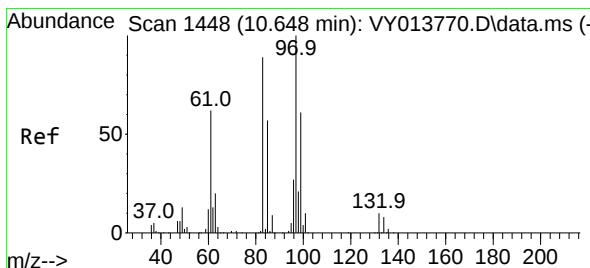
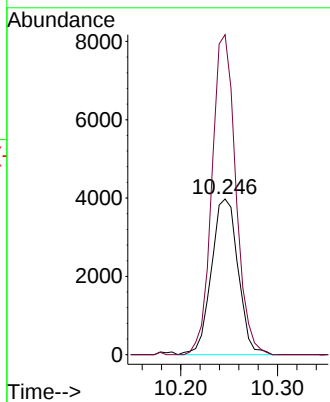
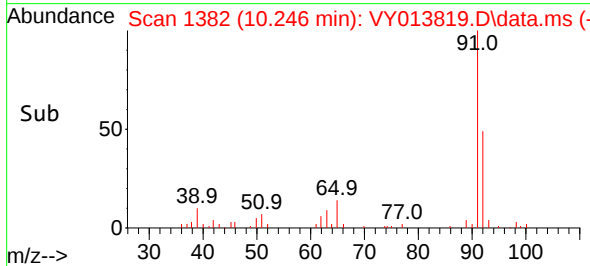
Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-14.5-051823



Tgt Ion: 92 Resp: 760
Ion Ratio Lower Upper
92 100
91 184.0 141.0 211.4

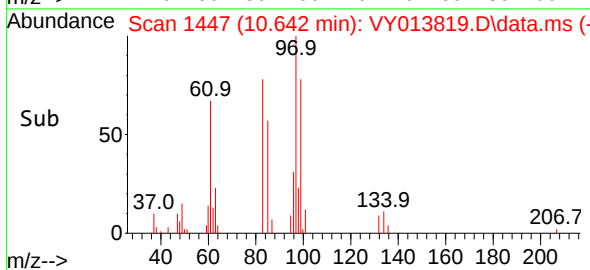
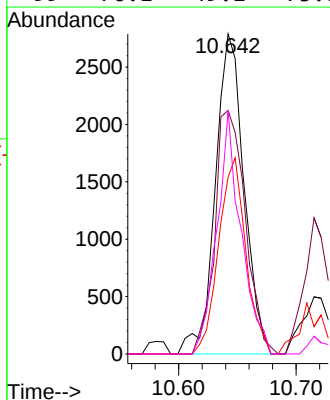
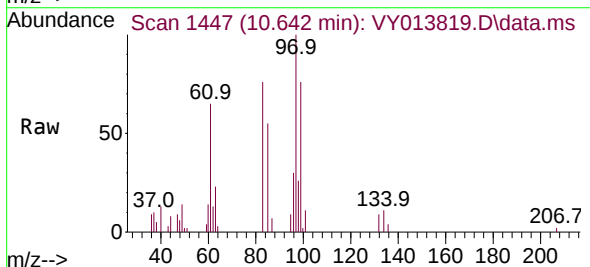
Manual Integrations
APPROVED

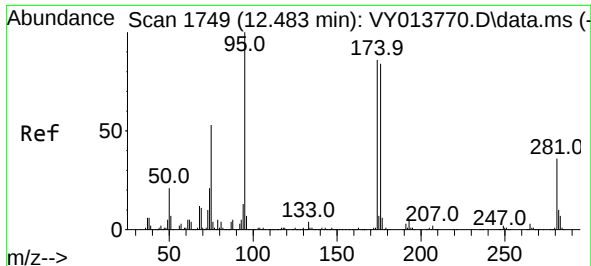
Reviewed By :Krupa Patel 05/22/2023
Supervised By :Mahesh Dadoda 05/22/2023



#55
1,1,2-Trichloroethane
Concen: 2.941 ug/l
RT: 10.642 min Scan# 1447
Delta R.T. -0.006 min
Lab File: VY013819.D
Acq: 19 May 2023 14:26

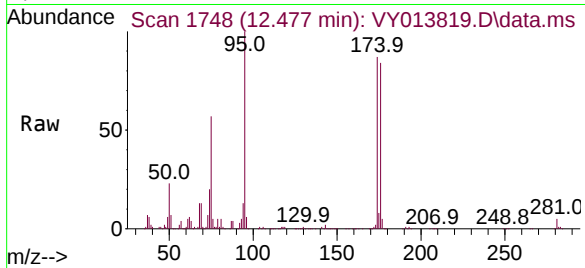
Tgt Ion: 97 Resp: 4717
Ion Ratio Lower Upper
97 100
83 76.1 71.1 106.7
85 55.3 45.7 68.5
99 76.1 49.1 73.7#





#62
4-Bromofluorobenzene
Concen: 51.545 ug/l
RT: 12.477 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY013819.D
Acq: 19 May 2023 14:26

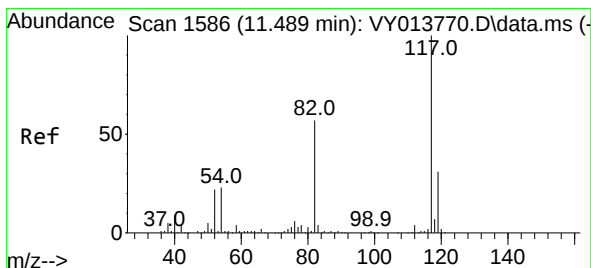
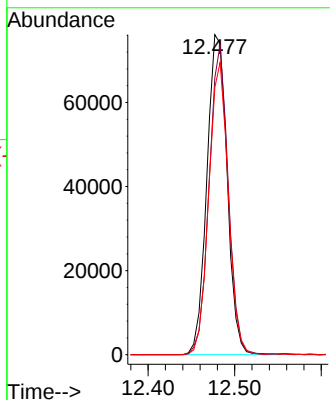
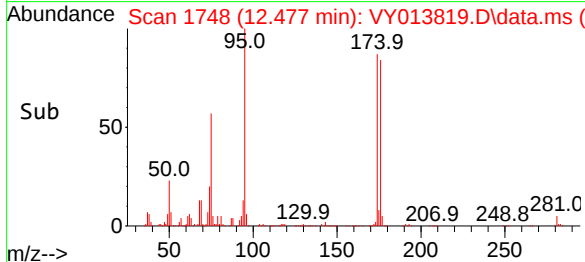
Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-14.5-051823



Tgt Ion: 95 Resp: 12385
Ion Ratio Lower Upper
95 100
174 91.1 0.0 168.8
176 87.6 0.0 165.2

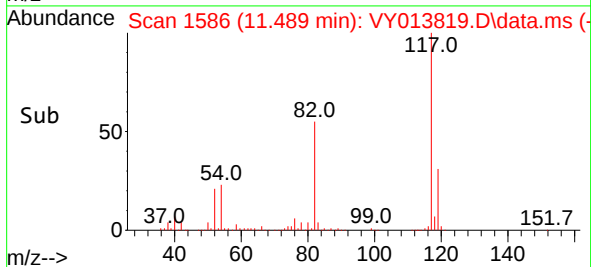
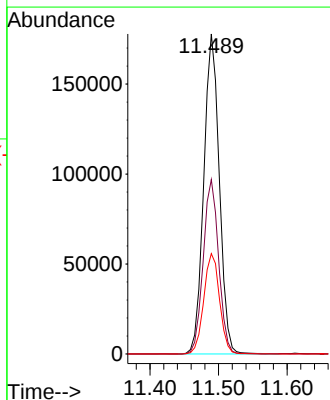
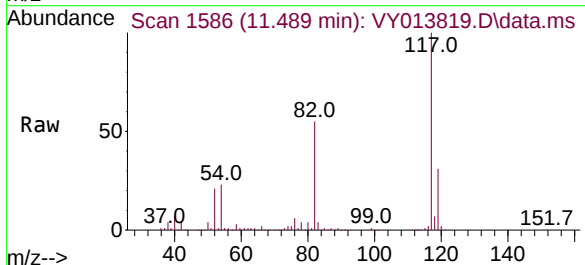
Manual Integrations
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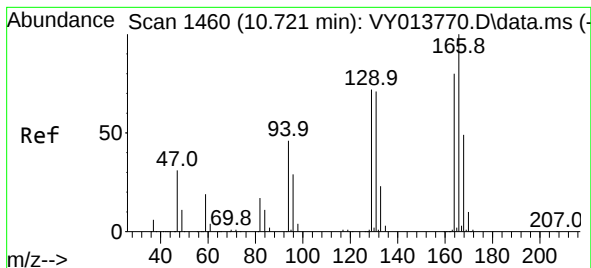
Reviewed By :Krupa Patel 05/22/2023
Supervised By :Mahesh Dadoda 05/22/2023



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY013819.D
Acq: 19 May 2023 14:26

Tgt Ion:117 Resp: 280942
Ion Ratio Lower Upper
117 100
82 54.5 45.5 68.3
119 31.4 24.8 37.2





#64

Tetrachloroethene

Concen: 43.654 ug/l

RT: 10.721 min Scan# 1460

Delta R.T. 0.000 min

Lab File: VY013819.D

Acq: 19 May 2023 14:26

Instrument :

MSVOA_Y

ClientSampleId :

CB-32-G3-SO-14.5-051823

Tgt Ion:164 Resp: 77800

Ion Ratio Lower Upper

164 100

166 124.1 100.5 150.7

129 88.6 72.5 108.7

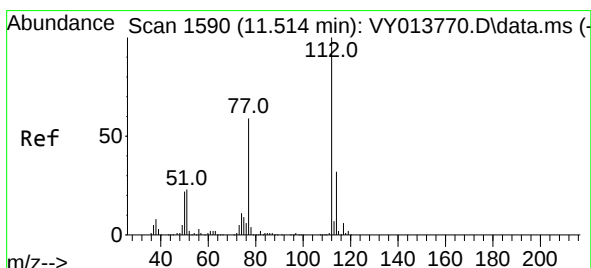
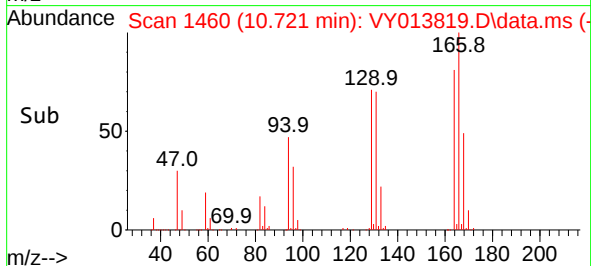
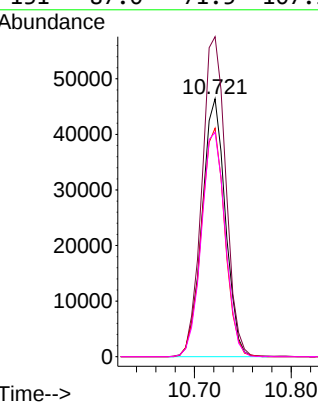
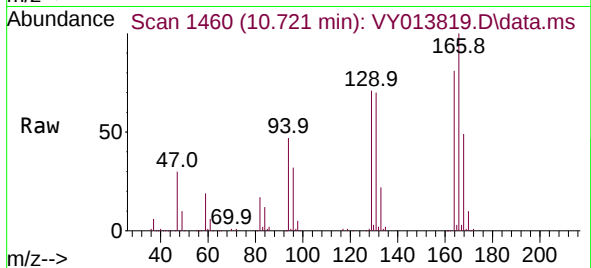
131 87.0 71.5 107.3

Manual Integrations

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Reviewed By :Krupa Patel 05/22/2023

Supervised By :Mahesh Dadoda 05/22/2023



#65

Chlorobenzene

Concen: 2.440 ug/l

RT: 11.514 min Scan# 1590

Delta R.T. 0.000 min

Lab File: VY013819.D

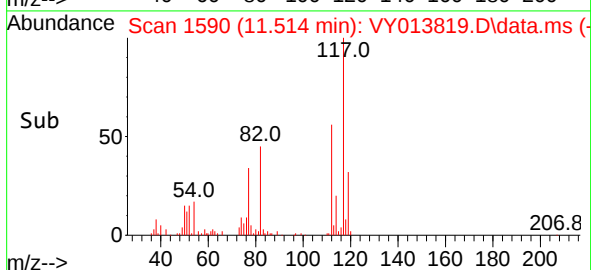
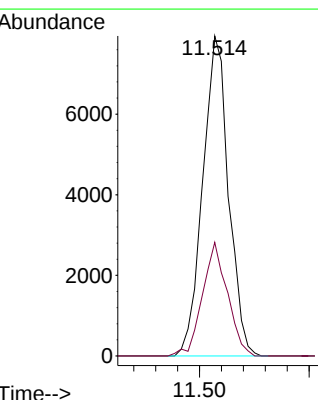
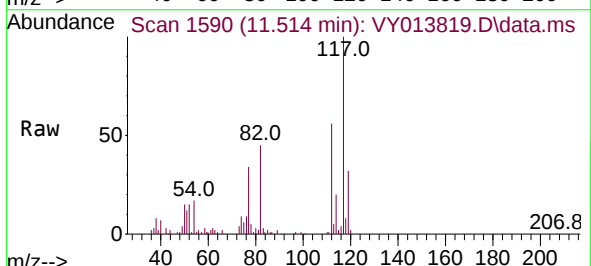
Acq: 19 May 2023 14:26

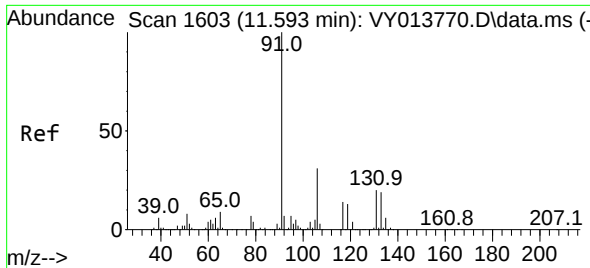
Tgt Ion:112 Resp: 12973

Ion Ratio Lower Upper

112 100

114 35.5 25.5 38.3





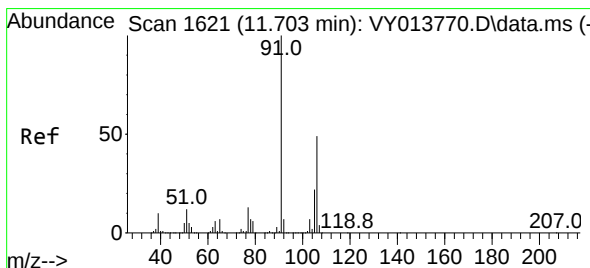
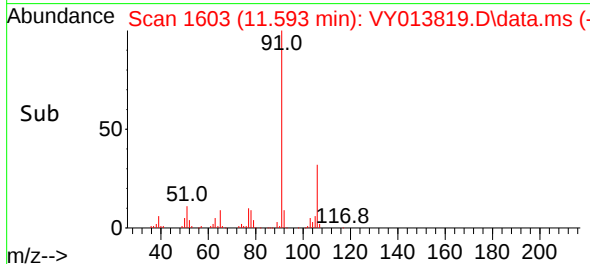
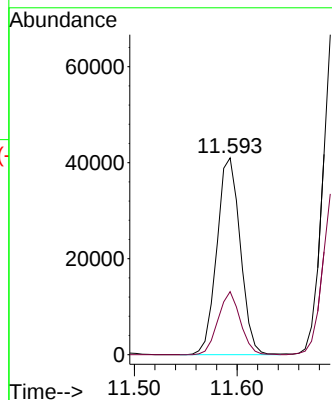
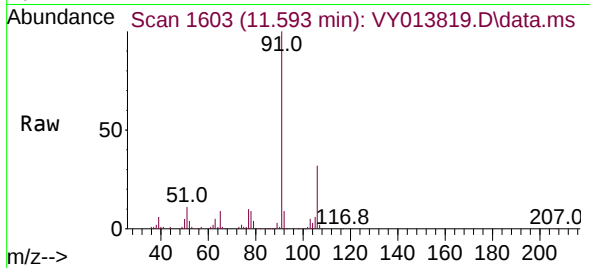
#67
Ethyl Benzene
Concen: 6.857 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. 0.000 min
Lab File: VY013819.D
Acq: 19 May 2023 14:26

Instrument :
MSVOA_Y
ClientSampleId :
CB-32-G3-SO-14.5-051823

Tgt Ion: 91 Resp: 6479
Ion Ratio Lower Upper
91 100
106 32.0 25.0 37.6

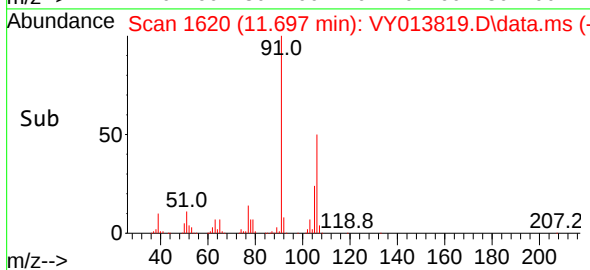
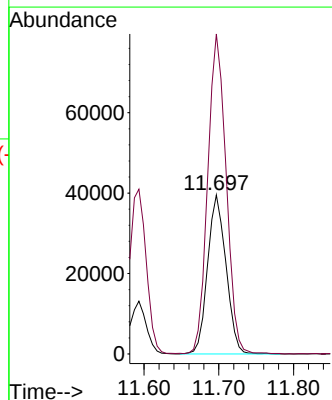
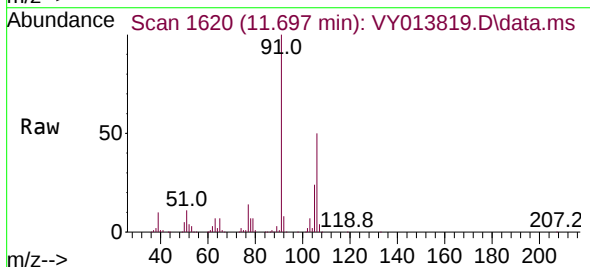
Manual Integrations
APPROVED

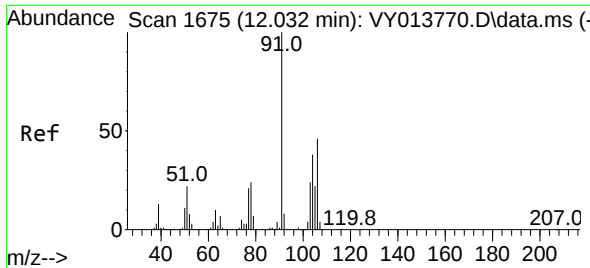
Reviewed By :Krupa Patel 05/22/2023
Supervised By :Mahesh Dadoda 05/22/2023



#68
m/p-Xylenes
Concen: 19.172 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.006 min
Lab File: VY013819.D
Acq: 19 May 2023 14:26

Tgt Ion:106 Resp: 67855
Ion Ratio Lower Upper
106 100
91 201.3 164.0 246.0





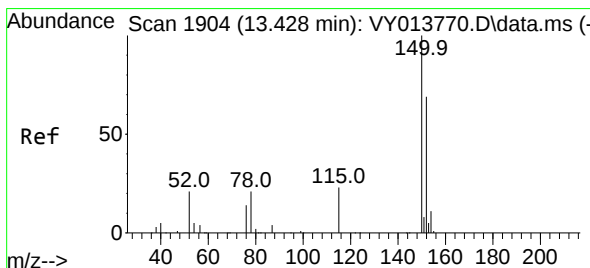
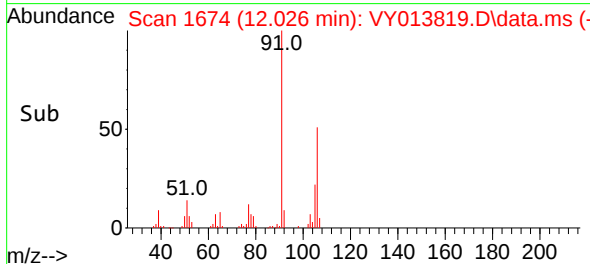
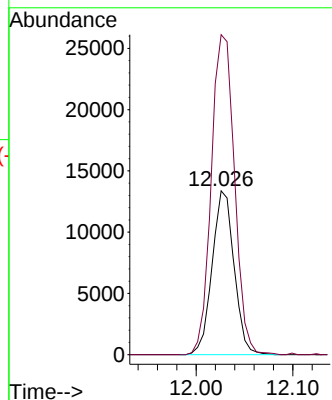
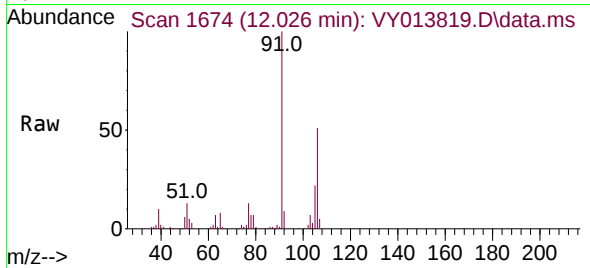
#69
o-Xylene
Concen: 6.259 ug/l
RT: 12.026 min Scan# 106
Delta R.T. -0.006 min
Lab File: VY013819.D
Acq: 19 May 2023 14:26

Instrument : MSVOA_Y
ClientSampleId : CB-32-G3-SO-14.5-051823

Tgt Ion:106 Resp: 21072
Ion Ratio Lower Upper
106 100
91 206.9 108.4 325.2

Manual Integrations
APPROVED

Reviewed By :Krupa Patel 05/22/2023
Supervised By :Mahesh Dadoda 05/22/2023



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY013819.D
Acq: 19 May 2023 14:26

Tgt Ion:152 Resp: 131254
Ion Ratio Lower Upper
152 100
115 57.1 28.5 85.5
150 156.4 0.0 347.0

