

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW103123\
 Data File : VW032813.D
 Acq On : 31 Oct 2023 20:55
 Operator : SY/MD
 Sample : 05105-14MS
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 E0007MS

Quant Time: Nov 01 05:52:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM103123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 01 05:44:49 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/01/2023
 Supervised By : Mahesh Dadoda 11/02/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	347046	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	390132	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	219611	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	144181	43.680	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	87.360%		
7) Chloroethane-d5	1.532	69	123184	44.621	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	89.240%		
11) 1,1-Dichloroethene-d2	2.060	65	57944	42.500	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	85.000%		
21) 2-Butanone-d5	3.786	46	135930	94.939	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	94.940%		
24) Chloroform-d	4.249	84	246067	46.703	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.400%		
26) 1,2-Dichloroethane-d4	4.944	65	152791	46.660	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.320%		
32) Benzene-d6	4.963	84	468740	46.730	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.460%		
36) 1,2-Dichloropropane-d6	5.992	67	138388	45.411	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	90.820%		
41) Toluene-d8	7.246	98	477751	48.370	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	96.740%		
43) trans-1,3-Dichloroprop...	7.555	79	75316	47.454	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	94.900%		
47) 2-Hexanone-d5	8.027	63	111127	99.886	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	99.890%		
56) 1,1,2,2-Tetrachloroeth...	10.156	84	219038	47.365	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	94.740%		
66) 1,2-Dichlorobenzene-d4	11.561	152	197878	46.757	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	93.520%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	136565	44.721	ug/L	99
3) Chloromethane	1.217	50	135002	45.697	ug/L	99
5) Vinyl chloride	1.285	62	140726	44.673	ug/L	99
6) Bromomethane	1.484	94	94559	43.020	ug/L	98
8) Chloroethane	1.548	64	98740	46.561	ug/L	99
9) Trichlorofluoromethane	1.716	101	221705	44.163	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	134837	44.391	ug/L	99
12) 1,1-Dichloroethene	2.069	96	115095	44.341	ug/L	99
13) Acetone	2.111	43	112614	46.990	ug/L	100
14) Carbon disulfide	2.243	76	278446	44.938	ug/L	100
15) Methyl Acetate	2.372	43	106572	43.859	ug/L	99
16) Methylene chloride	2.449	84	133862	38.880	ug/L	99
17) trans-1,2-Dichloroethene	2.696	96	114164	46.081	ug/L	97
18) Methyl tert-butyl Ether	2.706	73	361203	49.369	ug/L	100
19) 1,1-Dichloroethane	3.114	63	215722	45.691	ug/L	100
20) cis-1,2-Dichloroethene	3.818	96	128791	47.071	ug/L	99
22) 2-Butanone	3.867	43	149359	73.489	ug/L	94
23) Bromochloromethane	4.150	128	71277	46.674	ug/L	99
25) Chloroform	4.278	83	244800	45.492	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.043	62	187269	48.290	ug/L	98
29) Cyclohexane	4.587	56	163120	46.523	ug/L #	93
30) 1,1,1-Trichloroethane	4.516	97	210053	44.940	ug/L	99
31) Carbon tetrachloride	4.738	117	183898	44.524	ug/L	100
33) Benzene	5.011	78	490898	47.453	ug/L	100
34) Trichloroethene	5.834	95	127141	44.150	ug/L	96
35) Methylcyclohexane	6.053	83	212919m	47.252	ug/L	
37) 1,2-Dichloropropane	6.095	63	139830	50.921	ug/L	99
38) Bromodichloromethane	6.436	83	198365	46.046	ug/L	99
39) cis-1,3-Dichloropropene	6.957	75	214202	51.995	ug/L	97
40) 4-Methyl-2-pentanone	7.159	43	342146	105.135	ug/L	100
42) Toluene	7.317	91	586746	49.804	ug/L	99
44) trans-1,3-Dichloropropene	7.584	75	205273	48.511	ug/L	100
45) 1,1,2-Trichloroethane	7.770	97	149681	47.522	ug/L	98
46) Tetrachloroethene	7.908	164	112950	43.470	ug/L	98
48) 2-Hexanone	8.075	43	254415	87.132	ug/L	97
49) Dibromochloromethane	8.178	129	155731	47.292	ug/L	96
50) 1,2-Dibromoethane	8.284	107	156664	48.822	ug/L	98
51) Chlorobenzene	8.815	112	385525	46.224	ug/L	99
52) Ethylbenzene	8.950	91	631822	48.618	ug/L	98
53) m,p-Xylene	9.075	106	244892	49.513	ug/L	97
54) o-Xylene	9.481	106	238117	49.695	ug/L	97
55) Styrene	9.497	104	429326	51.414	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.178	83	223091	47.291	ug/L	98
59) Bromoform	9.667	173	112418	45.656	ug/L	99
60) Isopropylbenzene	9.870	105	651168	48.893	ug/L	99
61) 1,2,3-Trichloropropane	10.210	75	167983	45.794	ug/L	100
62) 1,3,5-Trimethylbenzene	10.477	105	519461	49.566	ug/L	99
63) 1,2,4-Trimethylbenzene	10.853	105	504491	50.322	ug/L	99
64) 1,3-Dichlorobenzene	11.120	146	316170	45.569	ug/L	99
65) 1,4-Dichlorobenzene	11.210	146	335164	45.782	ug/L	100
67) 1,2-Dichlorobenzene	11.580	146	326126	46.042	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.368	75	42131	44.131	ug/L	93
69) 1,3,5-Trichlorobenzene	12.583	180	223903	44.702	ug/L	99
70) 1,2,4-trichlorobenzene	13.201	180	197785	45.660	ug/L	98
71) Naphthalene	13.442	128	534471	49.409	ug/L	99
72) 1,2,3-Trichlorobenzene	13.683	180	207483	47.973	ug/L	99

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

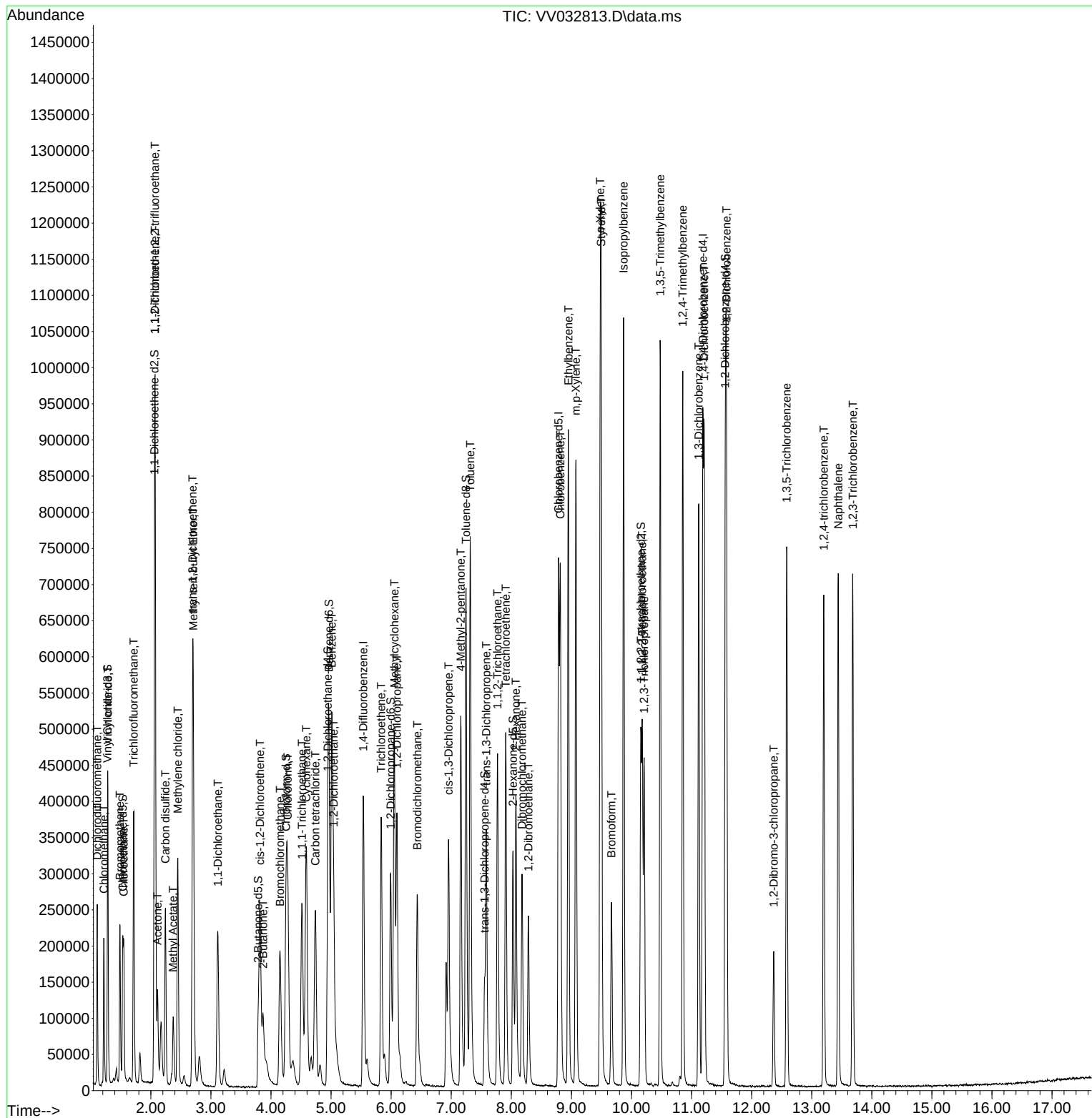
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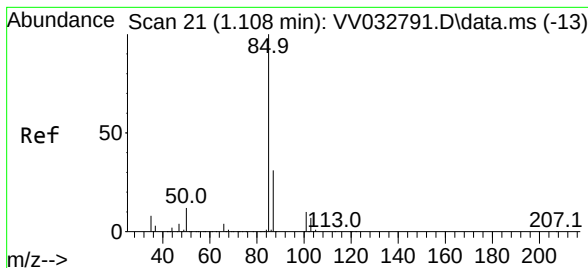
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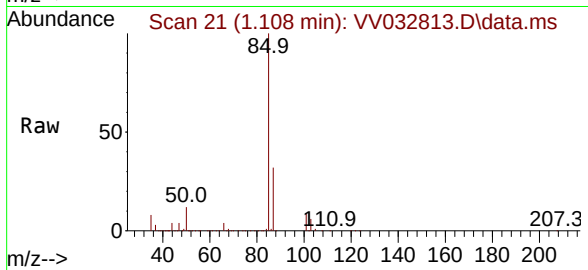
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#2
 Dichlorodifluoromethane
 Concen: 44.721 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV032813.D
 Acq: 31 Oct 2023 20:55

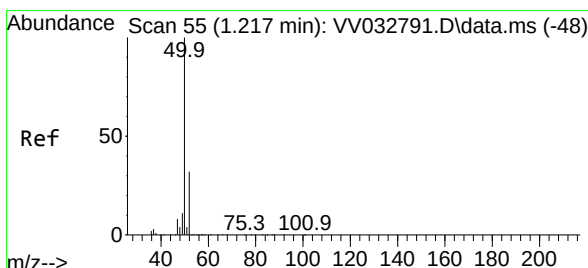
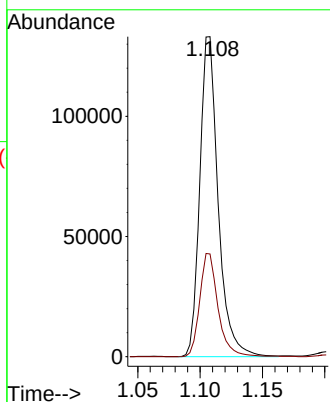
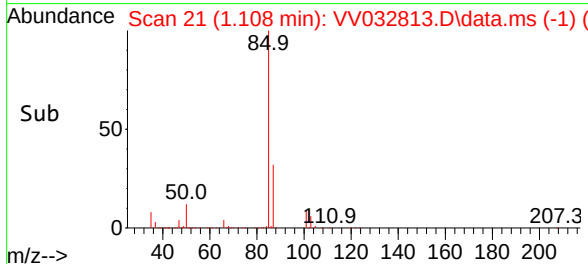
Instrument :
 MSVOA_V
 ClientSampleId :
 E0007MS



Tgt Ion: 85 Resp: 13656
 Ion Ratio Lower Upper
 85 100
 87 32.2 26.2 39.4

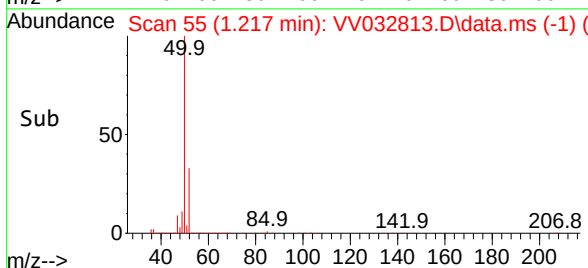
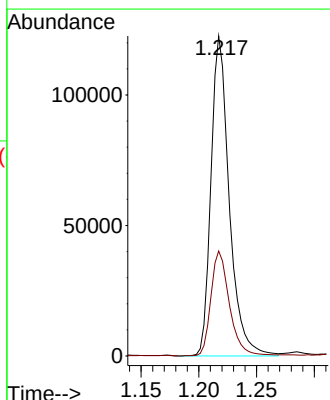
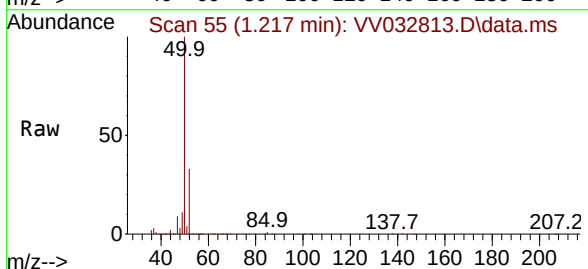
Manual Integrations
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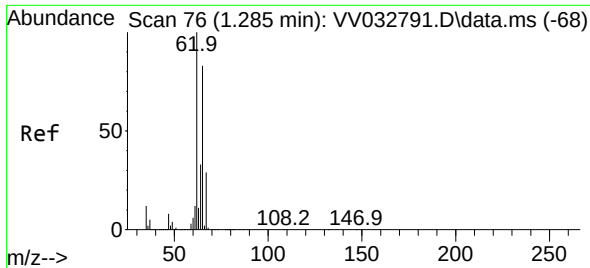
Reviewed By :John Carlone 11/01/2023
 Supervised By :Mahesh Dadoda 11/02/2023



#3
 Chloromethane
 Concen: 45.697 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV032813.D
 Acq: 31 Oct 2023 20:55

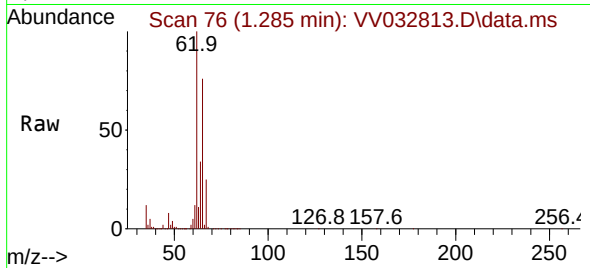
Tgt Ion: 50 Resp: 135002
 Ion Ratio Lower Upper
 50 100
 52 32.8 23.5 43.7





#5
 Vinyl chloride
 Concen: 44.673 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. 0.000 min
 Lab File: VV032813.D
 Acq: 31 Oct 2023 20:55

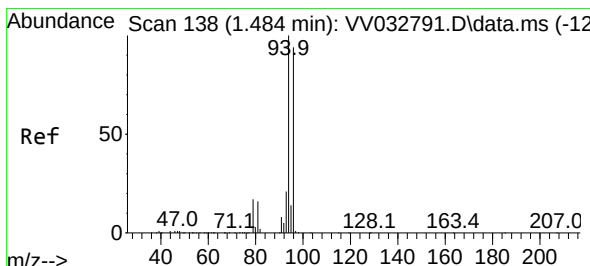
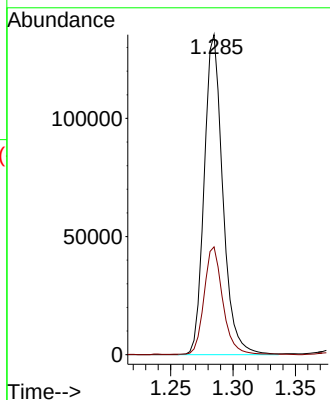
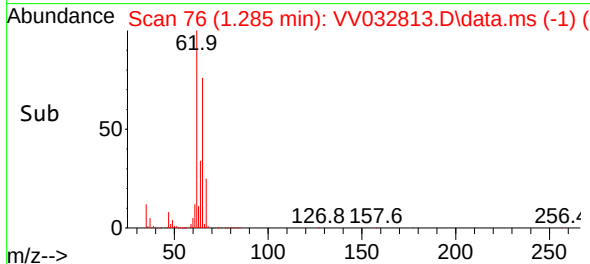
Instrument :
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 ClientSampleId :
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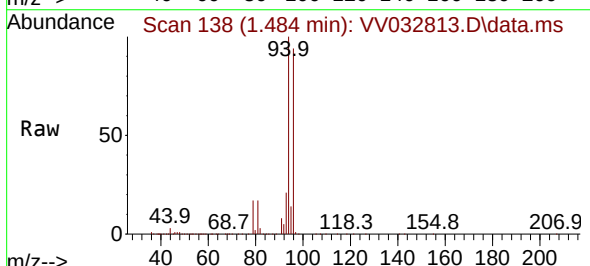
Tgt Ion: 62 Resp: 140720
 Ion Ratio Lower Upper
 62 100
 64 33.7 23.2 43.0

Manual Integrations
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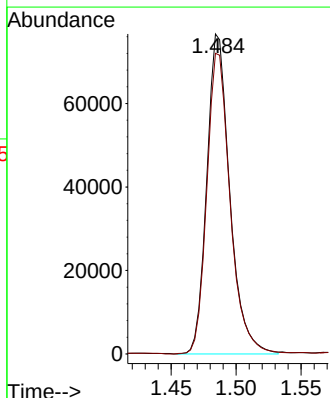
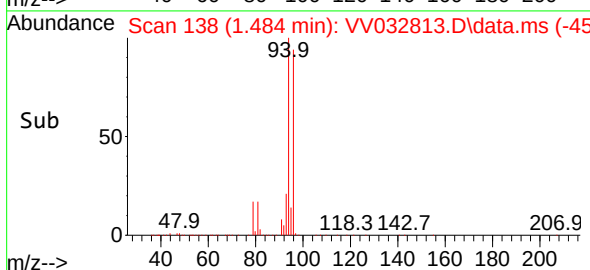
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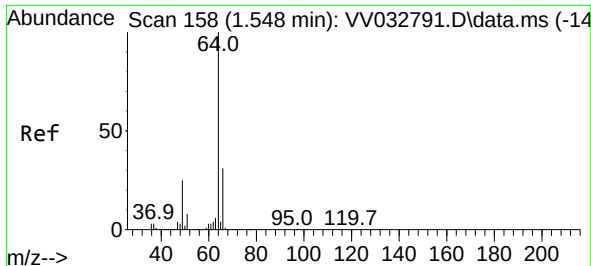


#6
 Bromomethane
 Concen: 43.020 ug/L
 RT: 1.484 min Scan# 138
 Delta R.T. 0.000 min
 Lab File: VV032813.D
 Acq: 31 Oct 2023 20:55



Tgt Ion: 94 Resp: 94559
 Ion Ratio Lower Upper
 94 100
 96 93.9 64.2 119.2





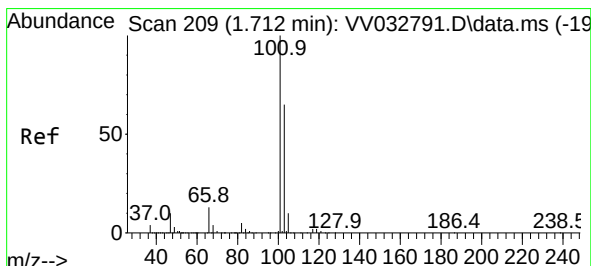
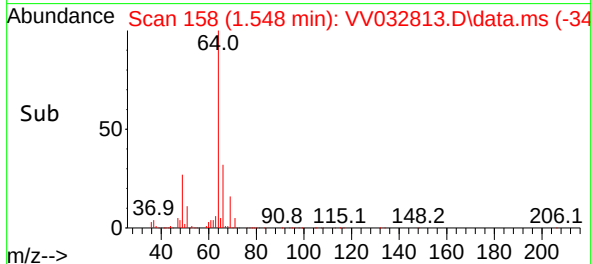
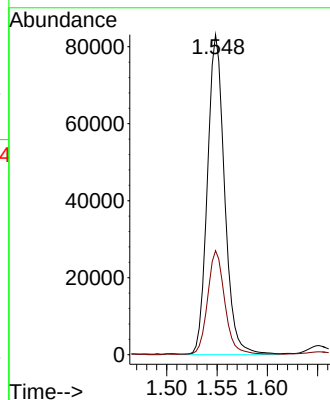
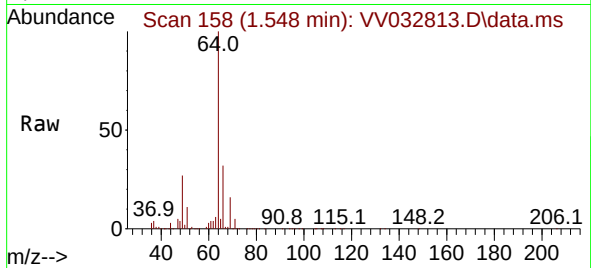
#8
Chloroethane
Concen: 46.561 ug/L
RT: 1.548 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV032813.D
Acq: 31 Oct 2023 20:55

Instrument :
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Tgt Ion: 64 Resp: 98740
Ion Ratio Lower Upper
64 100
66 32.5 22.5 41.9

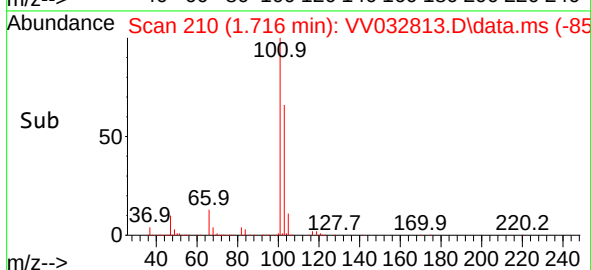
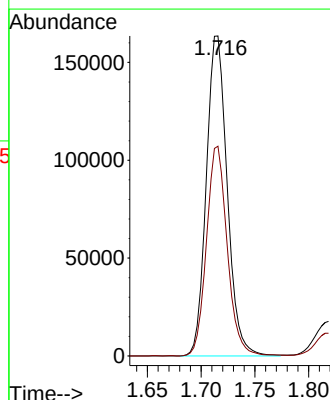
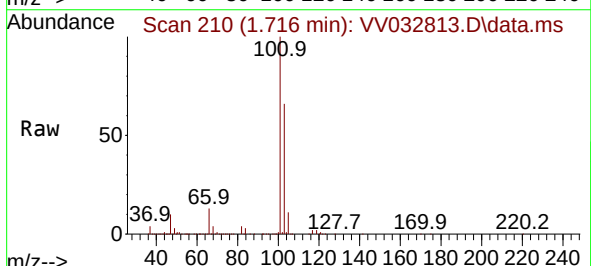
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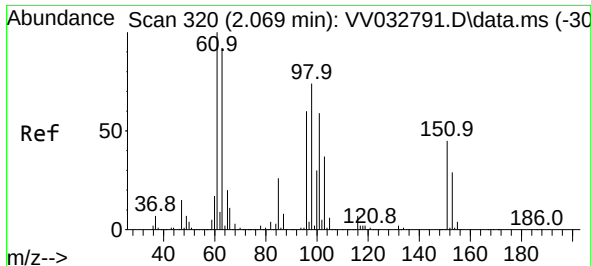
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/02/2023



#9
Trichlorofluoromethane
Concen: 44.163 ug/L
RT: 1.716 min Scan# 210
Delta R.T. 0.003 min
Lab File: VV032813.D
Acq: 31 Oct 2023 20:55

Tgt Ion:101 Resp: 221705
Ion Ratio Lower Upper
101 100
103 65.2 51.7 77.5





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 44.391 ug/L

RT: 2.069 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV032813.D

Acq: 31 Oct 2023 20:55

Instrument :

MSVOA_V

ClientSampleId :

E0007MS

Tgt Ion:101 Resp: 13483

Ion Ratio Lower Upper

101 100

85 44.6 35.6 53.4

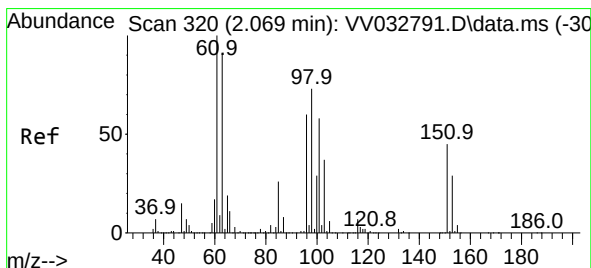
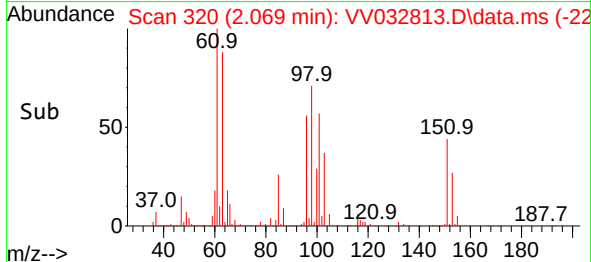
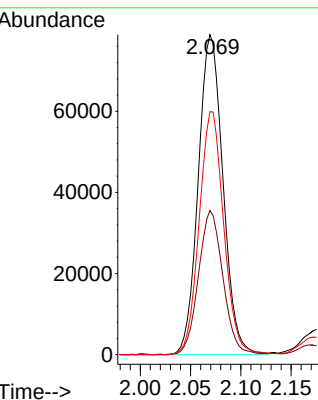
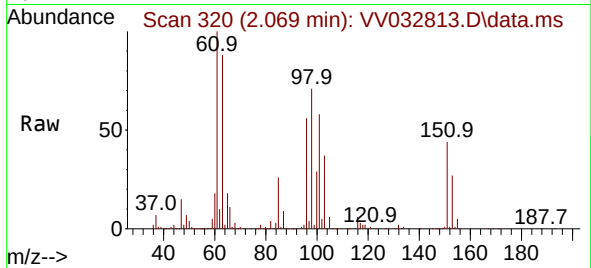
151 75.6 59.9 89.9

Manual Integrations

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#12

1,1-Dichloroethene

Concen: 44.341 ug/L

RT: 2.069 min Scan# 320

Delta R.T. 0.000 min

Lab File: VV032813.D

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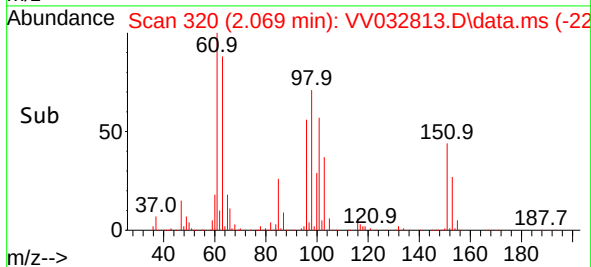
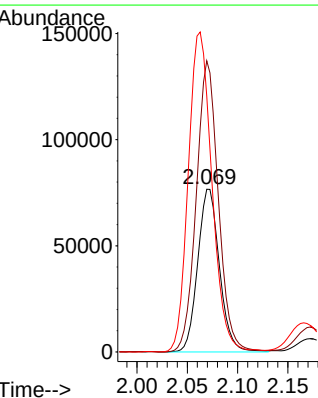
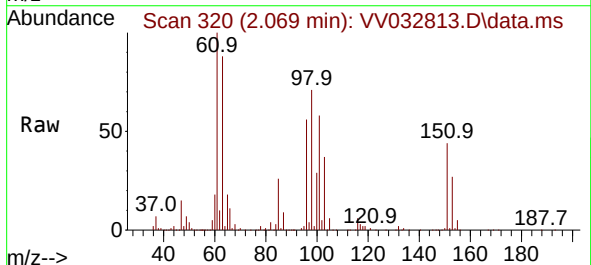
Tgt Ion: 96 Resp: 115095

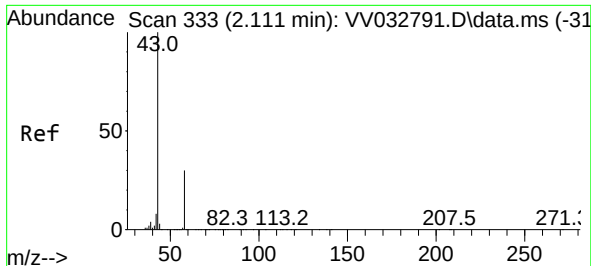
Ion Ratio Lower Upper

96 100

61 178.9 124.2 230.6

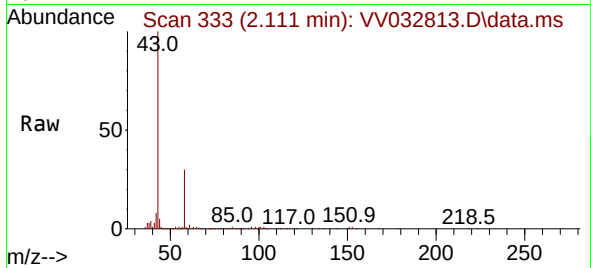
63 157.1 111.8 207.6





#13
Acetone
Concen: 46.990 ug/L
RT: 2.111 min Scan# 311
Delta R.T. 0.000 min
Lab File: VV032813.D
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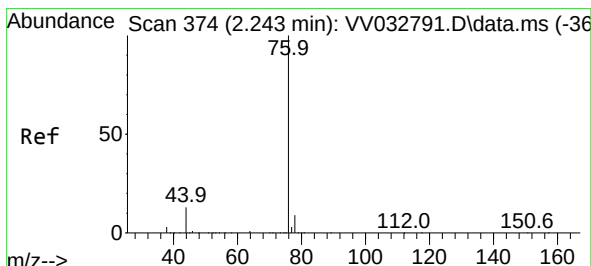
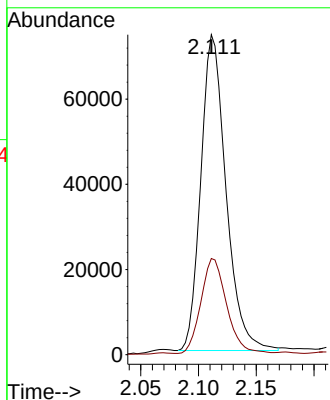
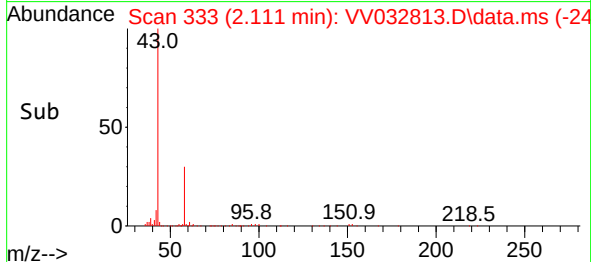
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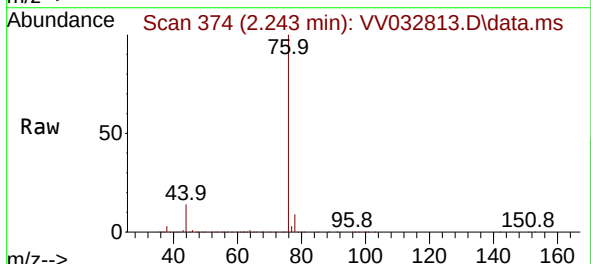
Tgt Ion: 43 Resp: 112614
Ion Ratio Lower Upper
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Manual Integrations
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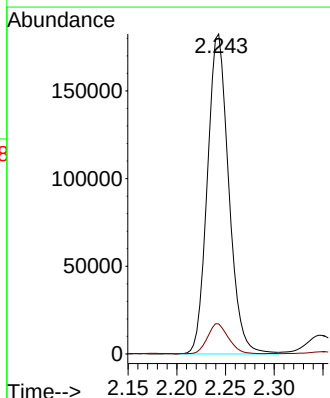
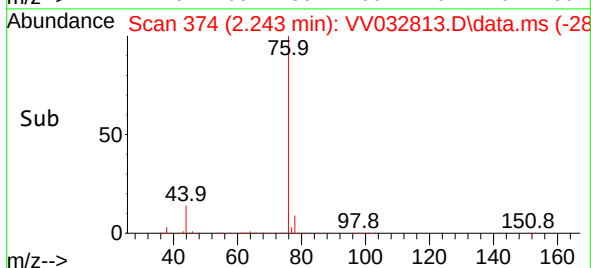
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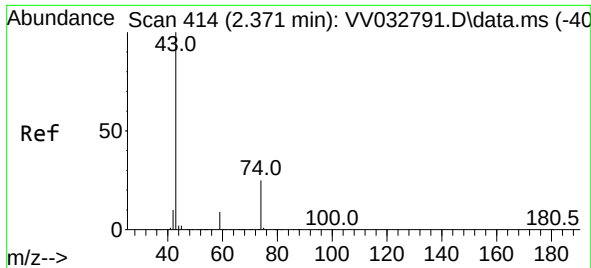


#14
Carbon disulfide
Concen: 44.938 ug/L
RT: 2.243 min Scan# 374
Delta R.T. 0.000 min
Lab File: VV032813.D
Acq: 31 Oct 2023 20:55



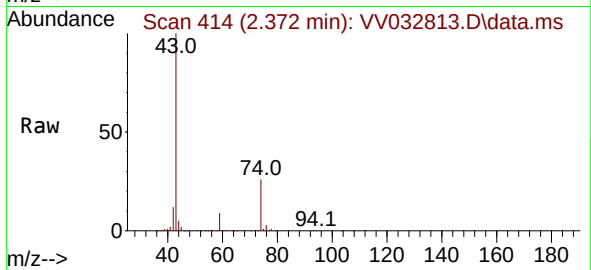
Tgt Ion: 76 Resp: 278446
Ion Ratio Lower Upper
76 100
78 9.4 7.6 11.4





#15
Methyl Acetate
Concen: 43.859 ug/L
RT: 2.372 min Scan# 414
Delta R.T. 0.000 min
Lab File: VV032813.D
Acq: 31 Oct 2023 20:55

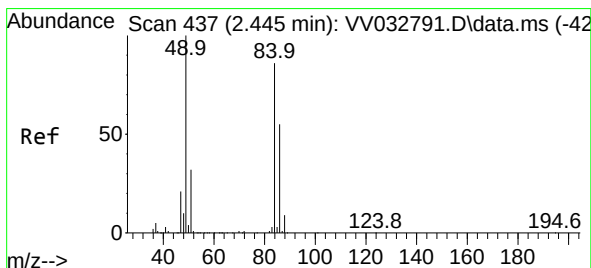
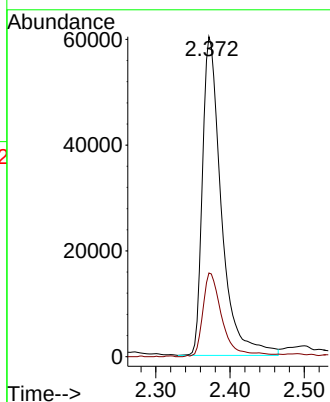
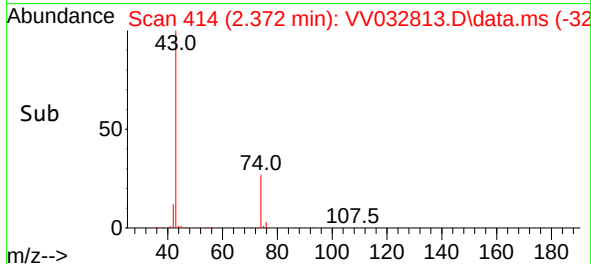
Instrument :
MSVOA_V
ClientSampleId :
E0007MS



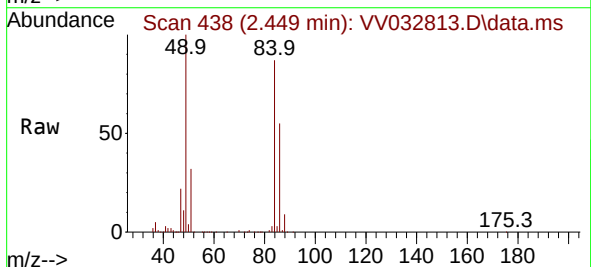
Tgt Ion: 43 Resp: 106572
Ion Ratio Lower Upper
43 100
74 25.3 20.6 30.8

Manual Integrations
APPROVED

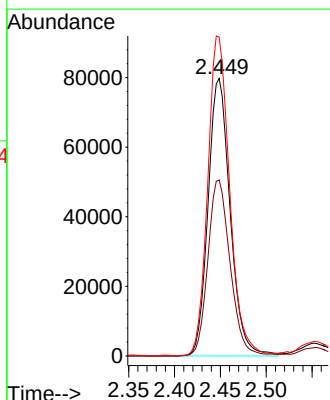
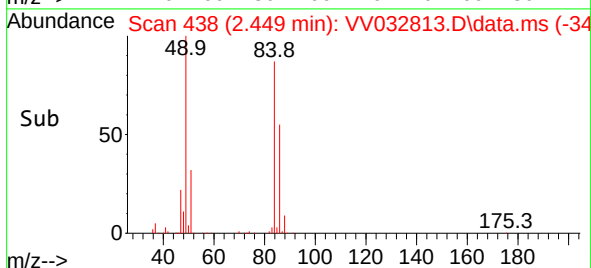
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/02/2023

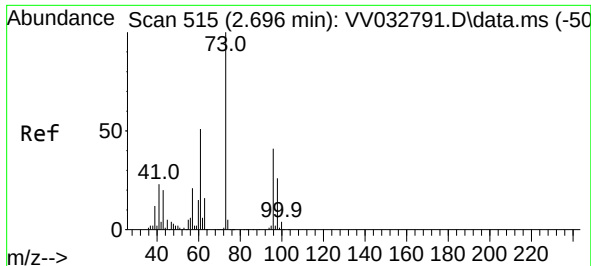


#16
Methylene chloride
Concen: 38.880 ug/L
RT: 2.449 min Scan# 438
Delta R.T. 0.003 min
Lab File: VV032813.D
Acq: 31 Oct 2023 20:55



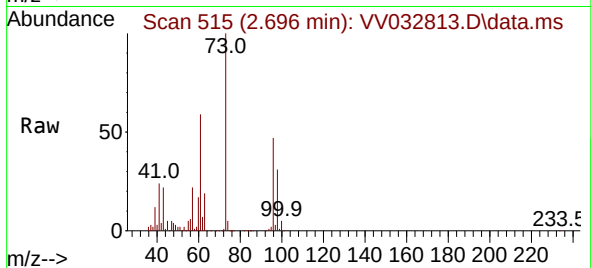
Tgt Ion: 84 Resp: 133862
Ion Ratio Lower Upper
84 100
86 63.4 45.0 83.6
49 114.9 81.2 150.8





#17
trans-1,2-Dichloroethene
Concen: 46.081 ug/L
RT: 2.696 min Scan# 515
Delta R.T. 0.000 min
Lab File: VV032813.D
Acq: 31 Oct 2023 20:55

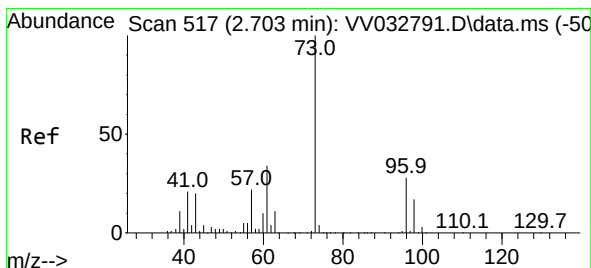
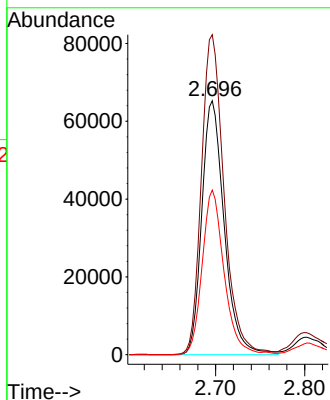
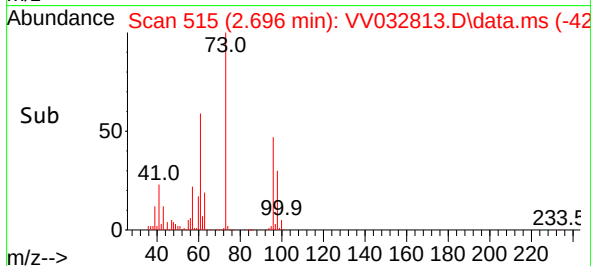
Instrument :
MSVOA_V
ClientSampleId :
E0007MS



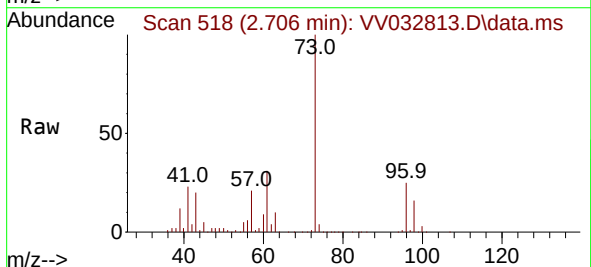
Tgt Ion: 96 Resp: 114164
Ion Ratio Lower Upper
96 100
61 126.0 86.9 161.3
98 64.9 42.9 79.7

Manual Integrations
APPROVED

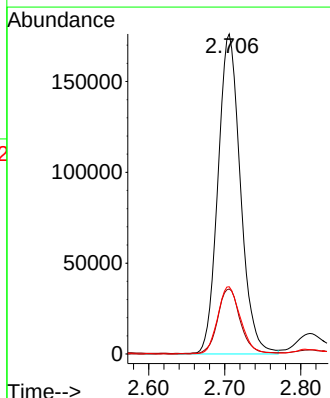
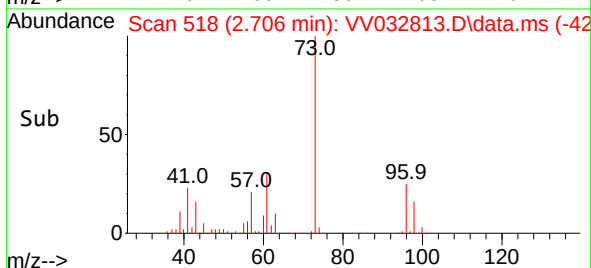
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/02/2023

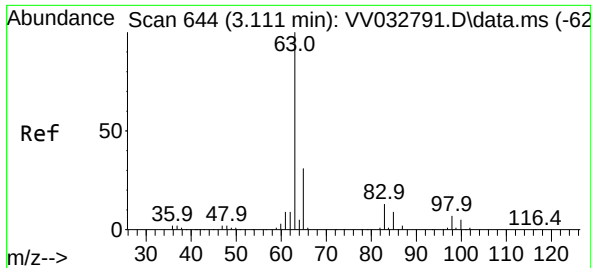


#18
Methyl tert-butyl Ether
Concen: 49.369 ug/L
RT: 2.706 min Scan# 518
Delta R.T. 0.003 min
Lab File: VV032813.D
Acq: 31 Oct 2023 20:55



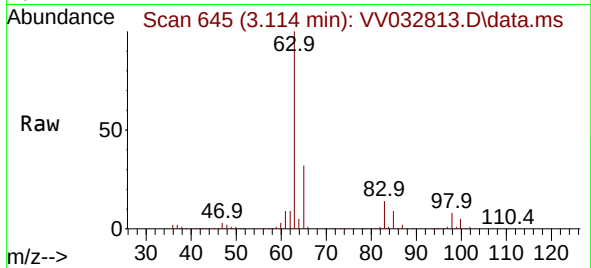
Tgt Ion: 73 Resp: 361203
Ion Ratio Lower Upper
73 100
43 20.1 16.1 24.1
57 21.4 17.4 26.0





#19
1,1-Dichloroethane
Concen: 45.691 ug/L
RT: 3.114 min Scan# 644
Delta R.T. 0.003 min
Lab File: VV032813.D
Acq: 31 Oct 2023 20:55

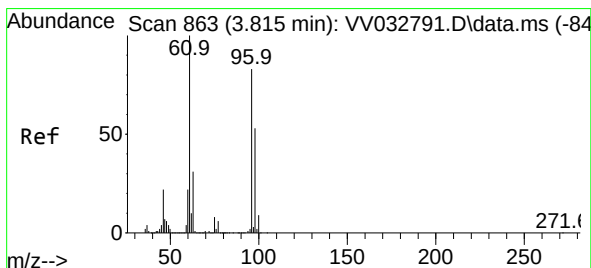
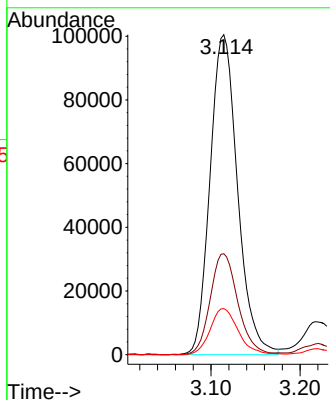
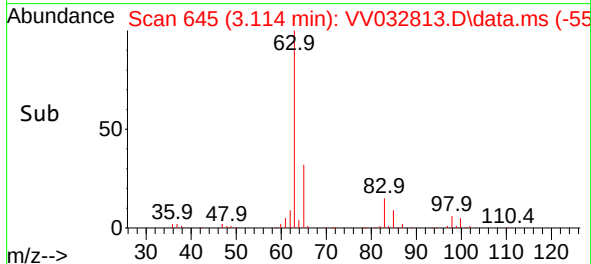
Instrument :
MSVOA_V
ClientSampleId :
E0007MS



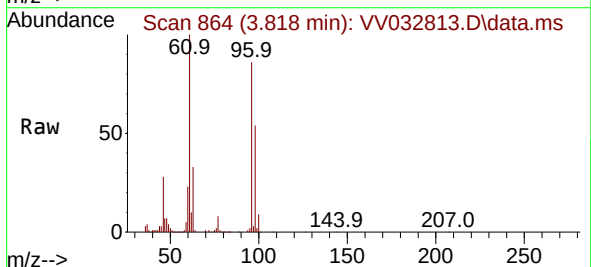
Tgt Ion: 63 Resp: 21572
Ion Ratio Lower Upper
63 100
65 31.6 22.3 41.5
83 14.4 10.1 18.7

Manual Integrations
APPROVED

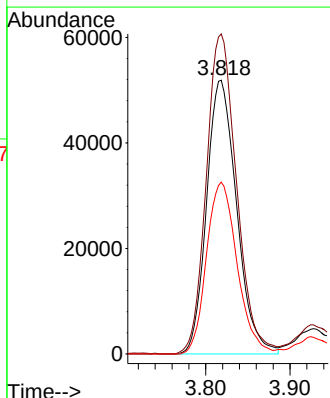
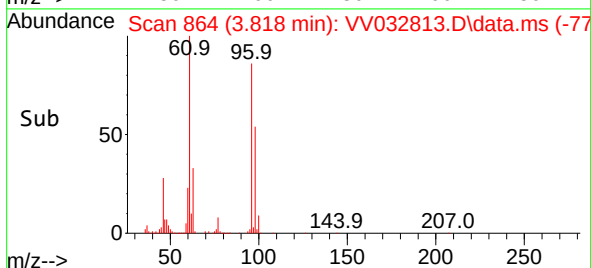
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/02/2023

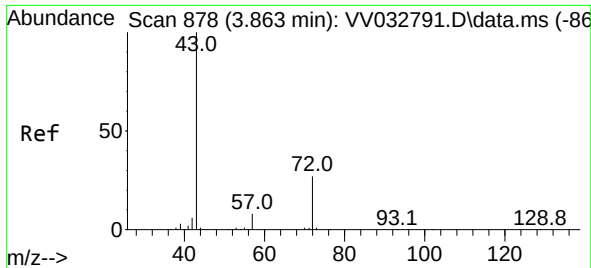


#20
cis-1,2-Dichloroethene
Concen: 47.071 ug/L
RT: 3.818 min Scan# 864
Delta R.T. 0.003 min
Lab File: VV032813.D
Acq: 31 Oct 2023 20:55



Tgt Ion: 96 Resp: 128791
Ion Ratio Lower Upper
96 100
61 116.9 83.3 154.7
98 62.8 44.2 82.2





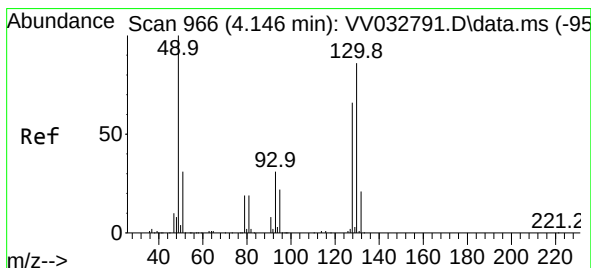
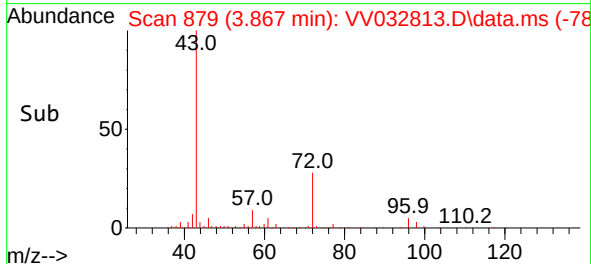
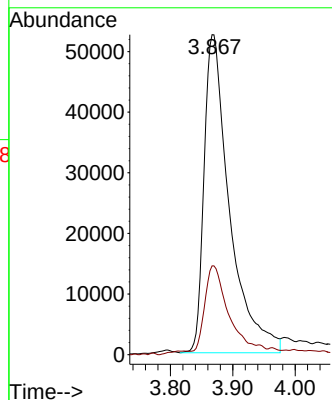
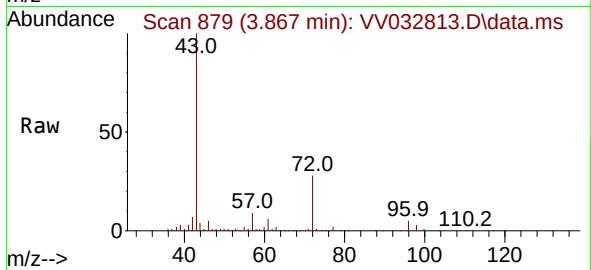
#22
2-Butanone
Concen: 73.489 ug/L
RT: 3.867 min Scan# 81
Delta R.T. 0.003 min
Lab File: VV032813.D
Acq: 31 Oct 2023 20:55

Instrument :
MSVOA_V
ClientSampleId :
E0007MS

Tgt Ion: 43 Resp: 149359
Ion Ratio Lower Upper
43 100
72 23.8 13.5 40.4

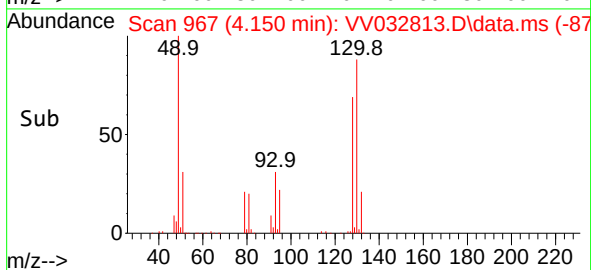
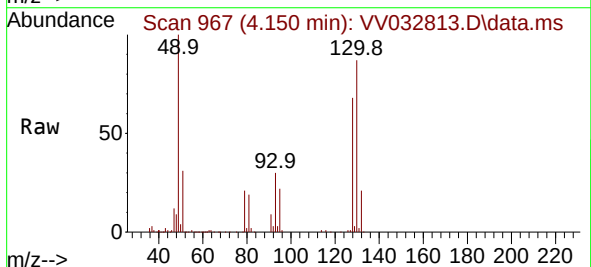
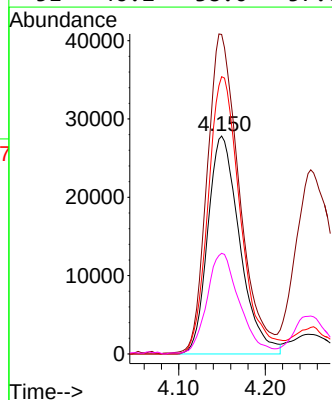
Manual Integrations
APPROVED

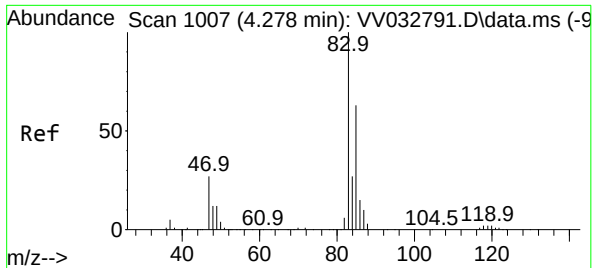
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/02/2023



#23
Bromochloromethane
Concen: 46.674 ug/L
RT: 4.150 min Scan# 967
Delta R.T. 0.003 min
Lab File: VV032813.D
Acq: 31 Oct 2023 20:55

Tgt Ion:128 Resp: 71277
Ion Ratio Lower Upper
128 100
49 146.6 101.0 187.6
130 127.3 88.5 164.4
51 46.2 38.0 57.0





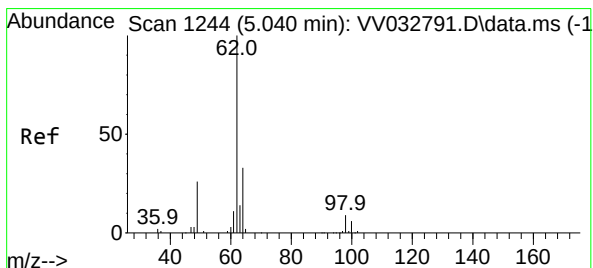
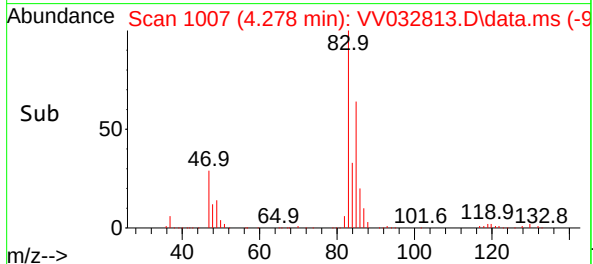
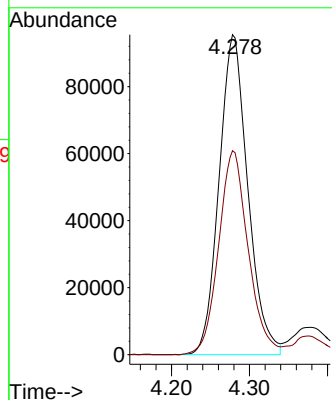
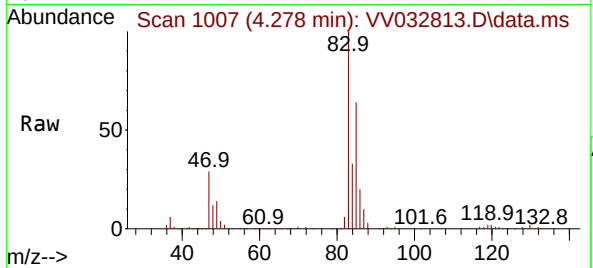
#25
Chloroform
Concen: 45.492 ug/L
RT: 4.278 min Scan# 1007
Delta R.T. 0.000 min
Lab File: VV032813.D
Acq: 31 Oct 2023 20:55

Instrument :
MSVOA_V
ClientSampleId :
E0007MS

Tgt Ion: 83 Resp: 244800
Ion Ratio Lower Upper
83 100
85 63.8 46.2 85.8

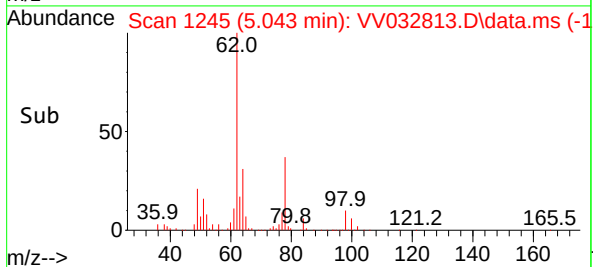
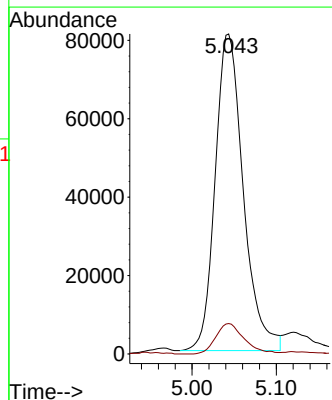
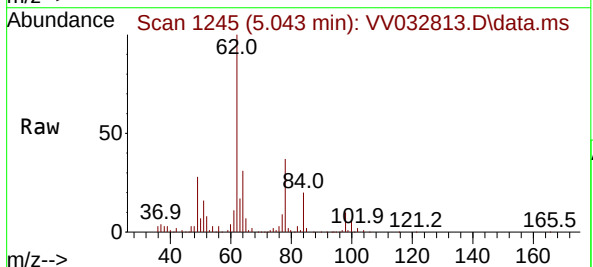
Manual Integrations
APPROVED

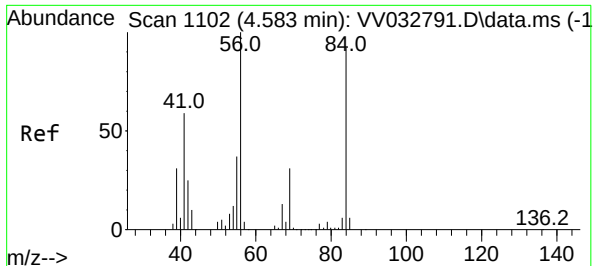
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/02/2023



#27
1,2-Dichloroethane
Concen: 48.290 ug/L
RT: 5.043 min Scan# 1245
Delta R.T. 0.003 min
Lab File: VV032813.D
Acq: 31 Oct 2023 20:55

Tgt Ion: 62 Resp: 187269
Ion Ratio Lower Upper
62 100
98 10.1 7.5 11.3





#29

Cyclohexane

Concen: 46.523 ug/L

RT: 4.587 min Scan# 1102

Delta R.T. 0.003 min

Lab File: VV032813.D

Acq: 31 Oct 2023 20:55

Instrument :

MSVOA_V

ClientSampleId :

E0007MS

Tgt Ion: 56 Resp: 163120

Ion Ratio Lower Upper

56 100

69 30.6 13.4 20.0

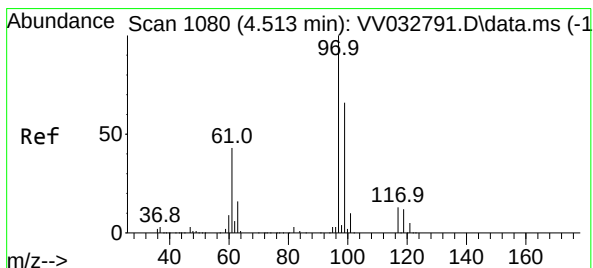
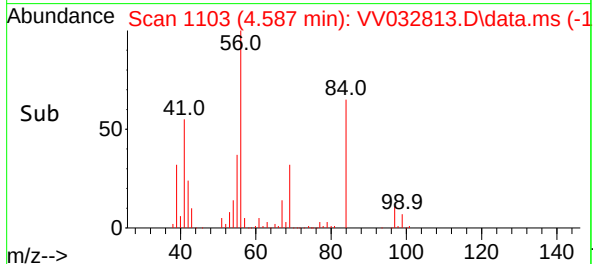
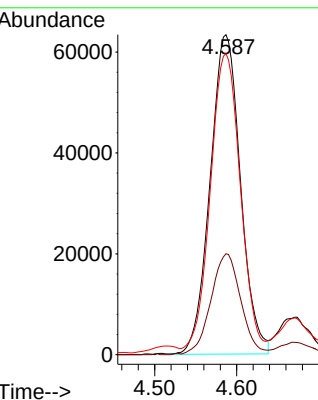
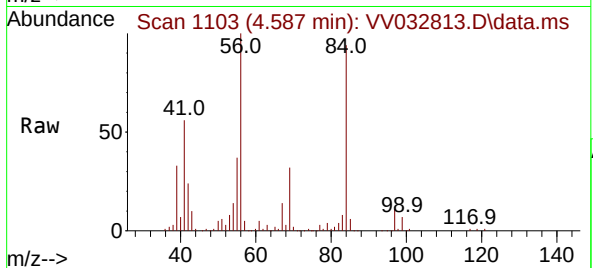
84 91.5 75.3 112.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/01/2023

Supervised By :Mahesh Dadoda 11/02/2023



#30

1,1,1-Trichloroethane

Concen: 44.940 ug/L

RT: 4.516 min Scan# 1081

Delta R.T. 0.003 min

Lab File: VV032813.D

Acq: 31 Oct 2023 20:55

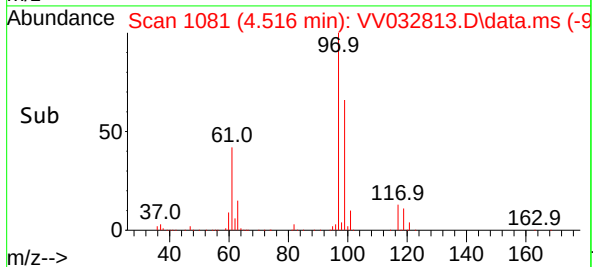
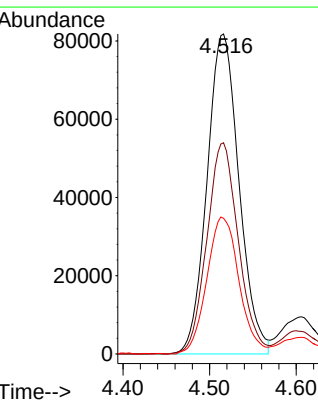
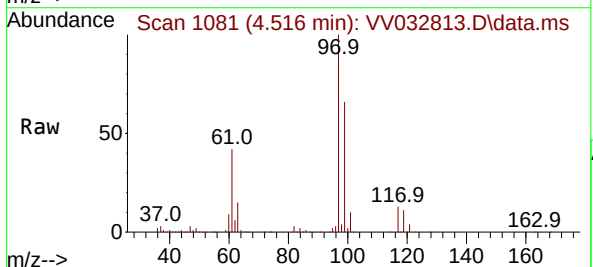
Tgt Ion: 97 Resp: 210053

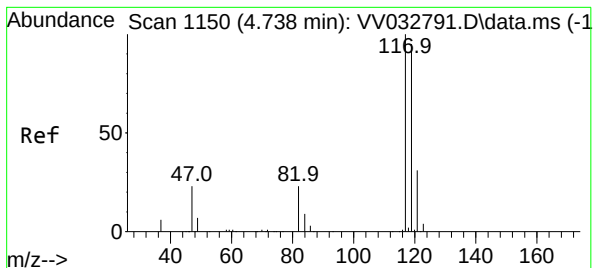
Ion Ratio Lower Upper

97 100

99 65.0 51.8 77.6

61 43.0 34.8 52.2





#31

Carbon tetrachloride

Concen: 44.524 ug/L

RT: 4.738 min Scan# 1150

Delta R.T. 0.000 min

Lab File: VV032813.D

Acq: 31 Oct 2023 20:55

Instrument :

MSVOA_V

ClientSampleId :

E0007MS

Tgt Ion:117 Resp: 183898

Ion Ratio Lower Upper

117 100

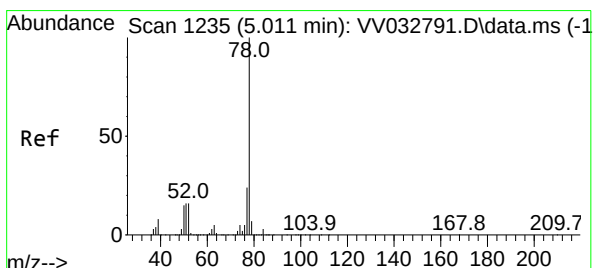
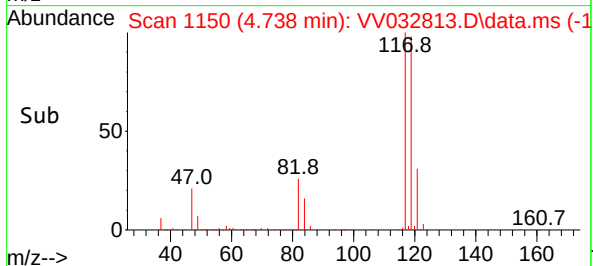
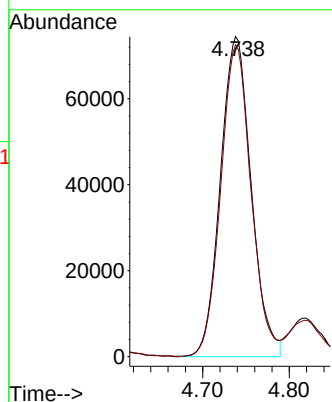
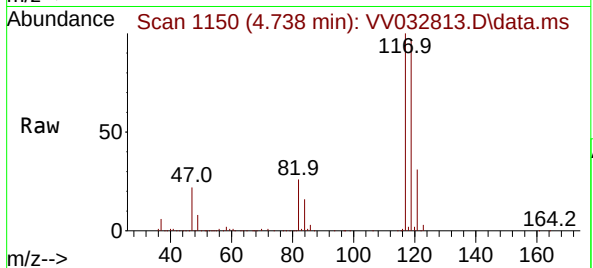
119 95.7 76.6 115.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/01/2023

Supervised By :Mahesh Dadoda 11/02/2023



#33

Benzene

Concen: 47.453 ug/L

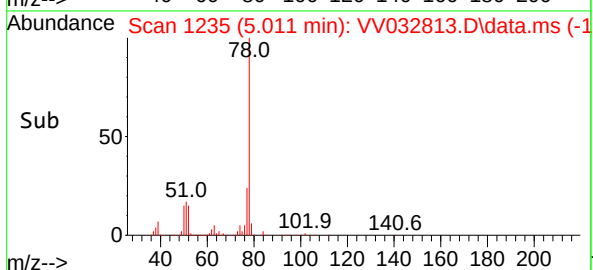
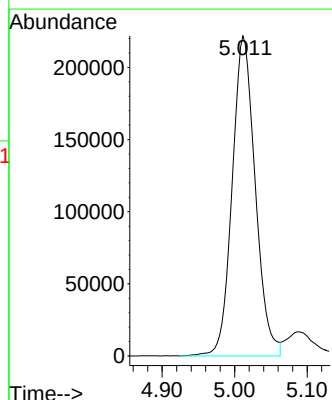
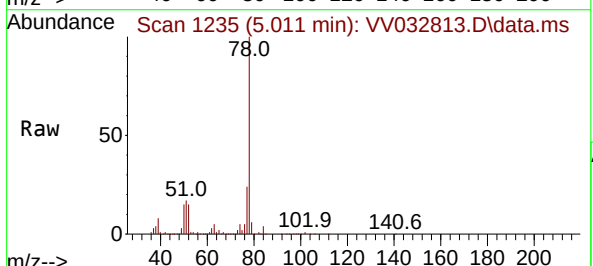
RT: 5.011 min Scan# 1235

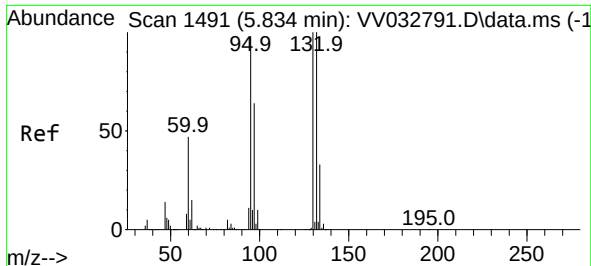
Delta R.T. 0.000 min

Lab File: VV032813.D

Acq: 31 Oct 2023 20:55

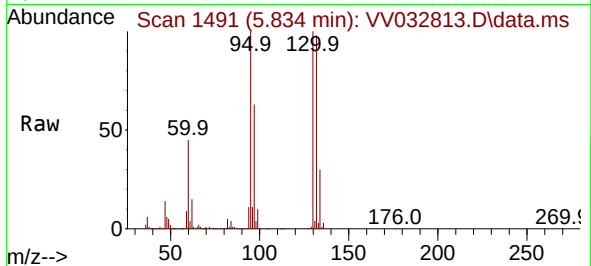
Tgt Ion: 78 Resp: 490898





#34
Trichloroethene
Concen: 44.150 ug/L
RT: 5.834 min Scan# 1491
Delta R.T. 0.000 min
Lab File: VV032813.D
Acq: 31 Oct 2023 20:55

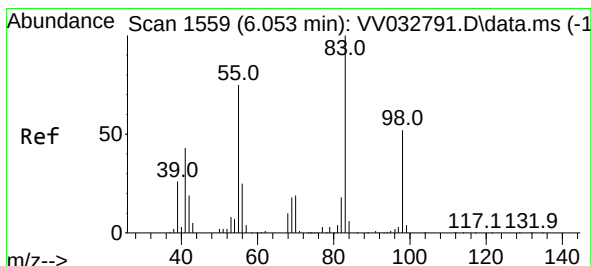
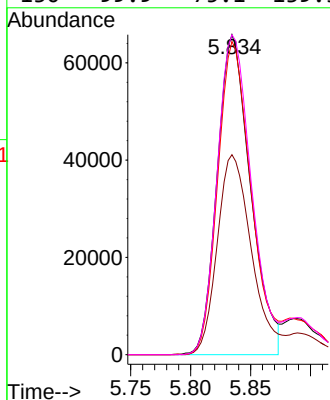
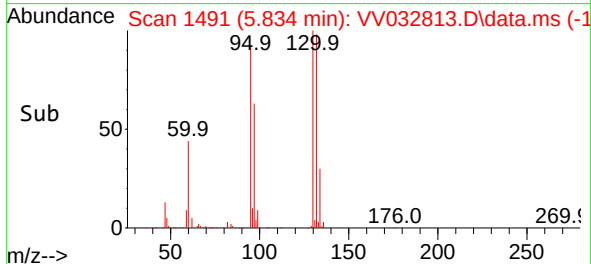
Instrument :
MSVOA_V
ClientSampleId :
E0007MS



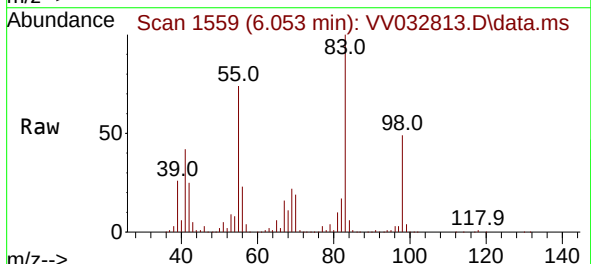
Tgt Ion: 95 Resp: 12714
Ion Ratio Lower Upper
95 100
97 62.5 46.3 85.9
132 97.8 69.0 128.2
130 99.9 75.1 139.5

Manual Integrations
APPROVED

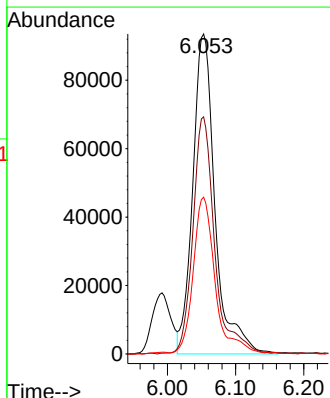
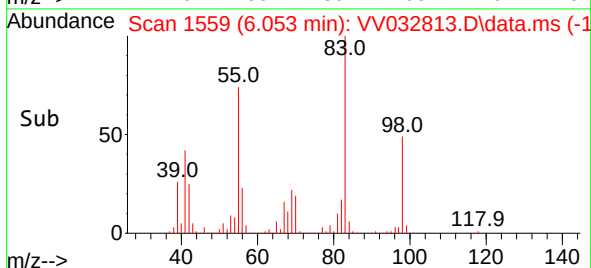
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/02/2023

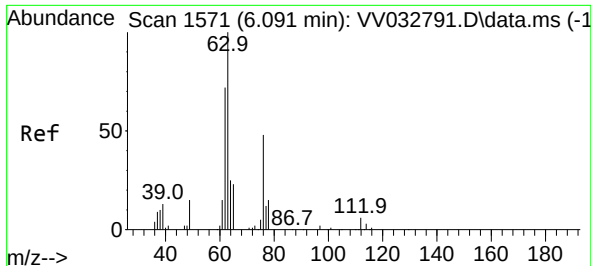


#35
Methylcyclohexane
Concen: 47.252 ug/L m
RT: 6.053 min Scan# 1559
Delta R.T. 0.000 min
Lab File: VV032813.D
Acq: 31 Oct 2023 20:55



Tgt Ion: 83 Resp: 212919
Ion Ratio Lower Upper
83 100
55 71.4 57.8 86.8
98 44.3 39.4 59.2





#37

1,2-Dichloropropane

Concen: 50.921 ug/L

RT: 6.095 min Scan# 1571

Delta R.T. 0.003 min

Lab File: VV032813.D

Acq: 31 Oct 2023 20:55

Instrument :

MSVOA_V

ClientSampleId :

E0007MS

Tgt Ion: 63 Resp: 139830

Ion Ratio Lower Upper

63 100

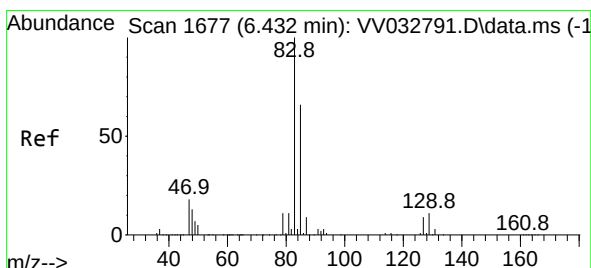
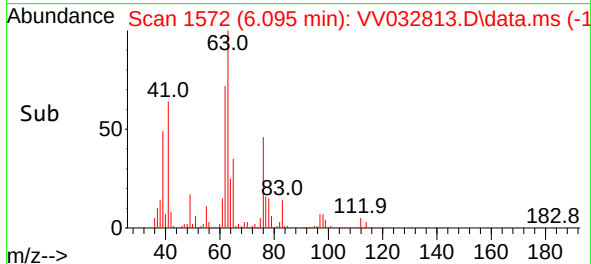
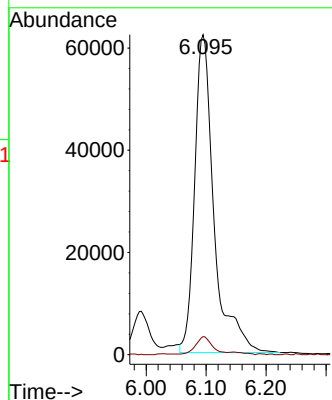
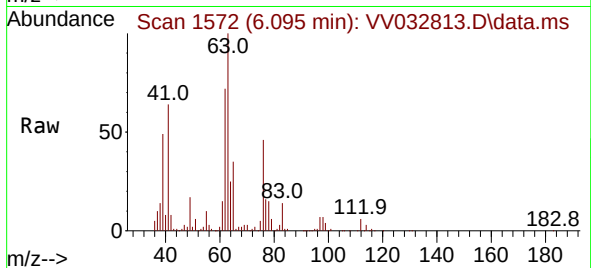
112 4.6 4.1 6.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/01/2023

Supervised By :Mahesh Dadoda 11/02/2023



#38

Bromodichloromethane

Concen: 46.046 ug/L

RT: 6.436 min Scan# 1678

Delta R.T. 0.003 min

Lab File: VV032813.D

Acq: 31 Oct 2023 20:55

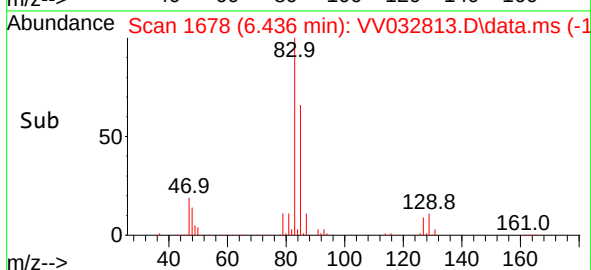
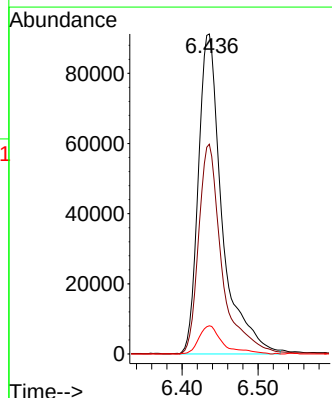
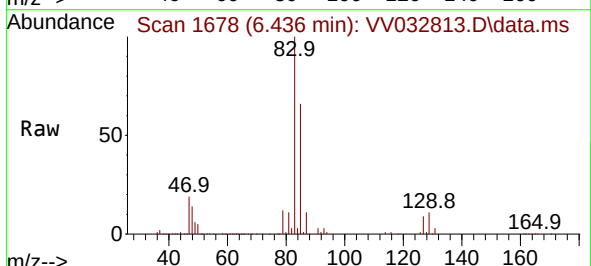
Tgt Ion: 83 Resp: 198365

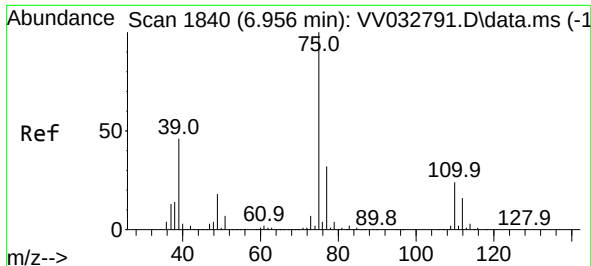
Ion Ratio Lower Upper

83 100

85 65.6 45.1 83.9

127 8.8 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 51.995 ug/L

RT: 6.957 min Scan# 1840

Delta R.T. 0.000 min

Lab File: VV032813.D

Acq: 31 Oct 2023 20:55

Instrument :

MSVOA_V

ClientSampleId :

E0007MS

Tgt Ion: 75 Resp: 21420

Ion Ratio Lower Upper

75 100

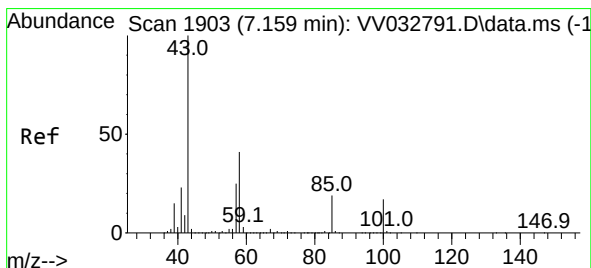
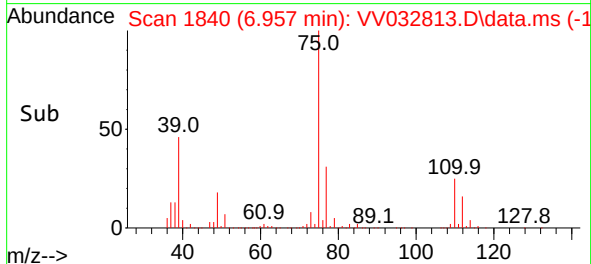
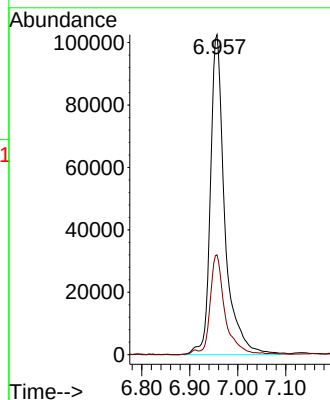
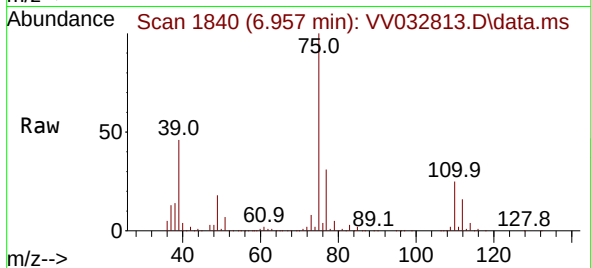
77 31.2 23.0 42.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/01/2023

Supervised By :Mahesh Dadoda 11/02/2023



#40

4-Methyl-2-pentanone

Concen: 105.135 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VV032813.D

Acq: 31 Oct 2023 20:55

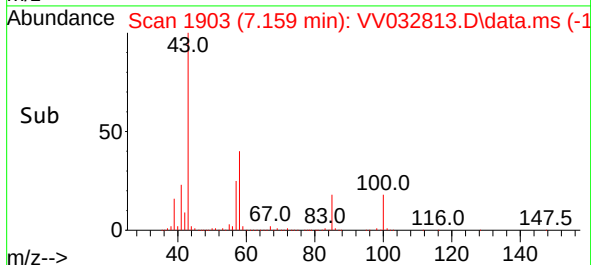
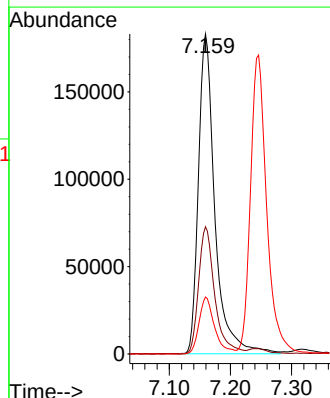
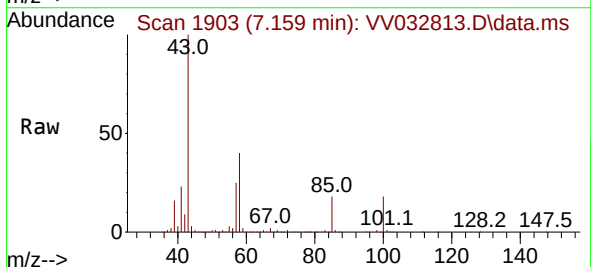
Tgt Ion: 43 Resp: 342146

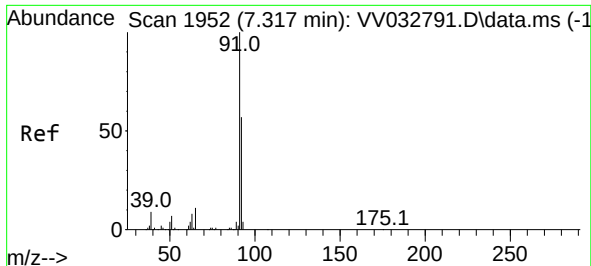
Ion Ratio Lower Upper

43 100

58 39.0 31.4 47.0

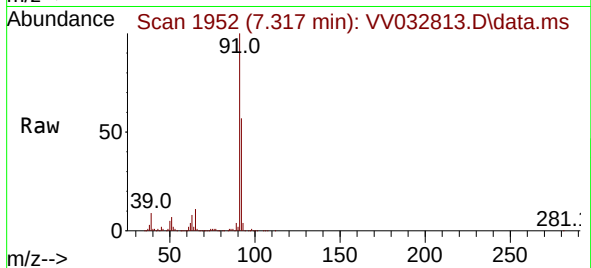
100 16.8 13.3 19.9





#42
Toluene
Concen: 49.804 ug/L
RT: 7.317 min Scan# 1952
Delta R.T. 0.000 min
Lab File: VV032813.D
Acq: 31 Oct 2023 20:55

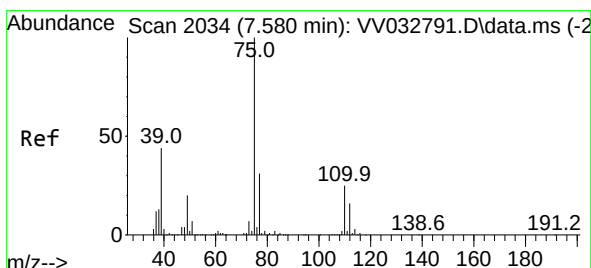
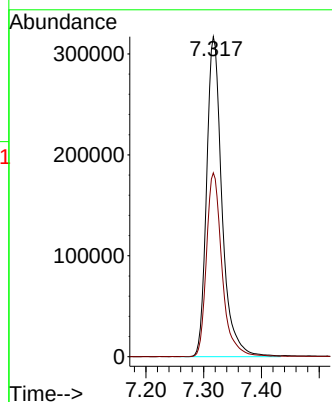
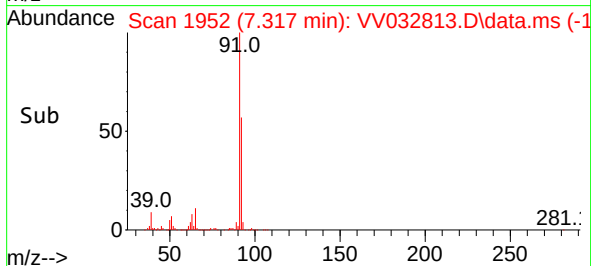
Instrument :
MSVOA_V
ClientSampleId :
E0007MS



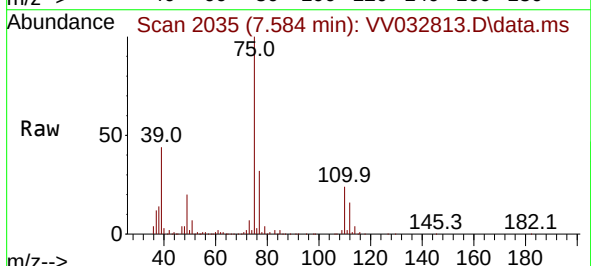
Tgt Ion: 91 Resp: 586740
Ion Ratio Lower Upper
91 100
92 57.5 40.0 74.2

Manual Integrations
APPROVED

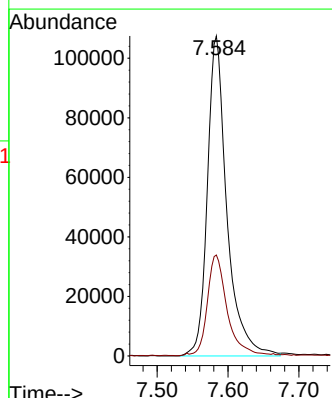
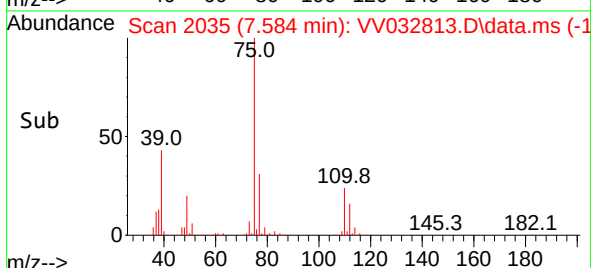
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/02/2023

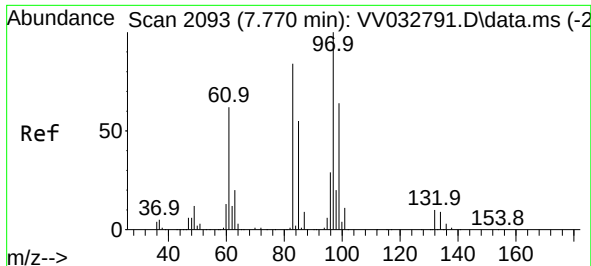


#44
trans-1,3-Dichloropropene
Concen: 48.511 ug/L
RT: 7.584 min Scan# 2035
Delta R.T. 0.003 min
Lab File: VV032813.D
Acq: 31 Oct 2023 20:55



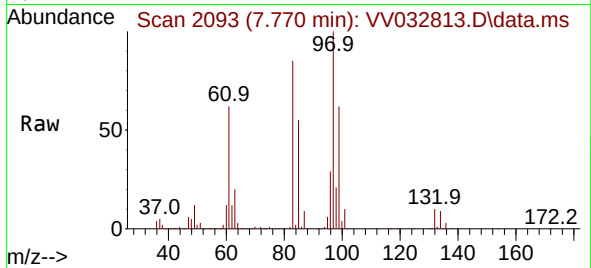
Tgt Ion: 75 Resp: 205273
Ion Ratio Lower Upper
75 100
77 31.5 22.0 40.8





#45
1,1,2-Trichloroethane
Concen: 47.522 ug/L
RT: 7.770 min Scan# 2093
Delta R.T. 0.000 min
Lab File: VV032813.D
Acq: 31 Oct 2023 20:55

Instrument :
MSVOA_V
ClientSampleId :
E0007MS

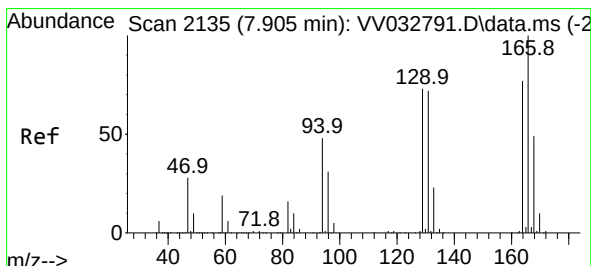
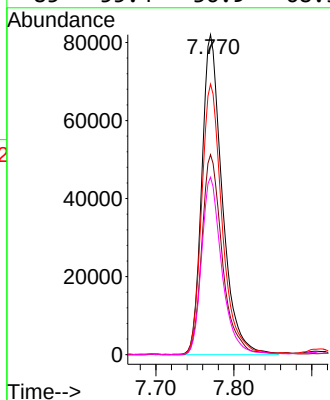
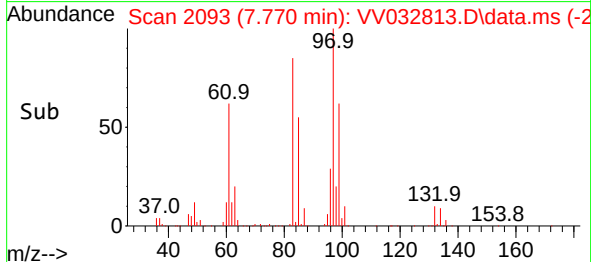


Tgt Ion: 97 Resp: 14968

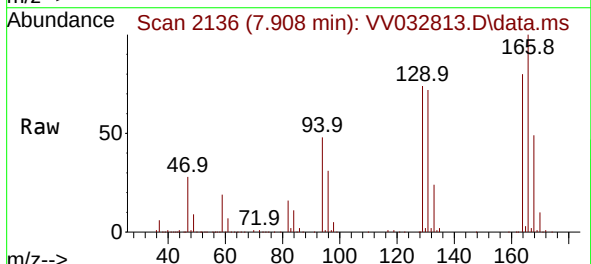
Ion	Ratio	Lower	Upper
97	100		
99	62.5	42.8	79.6
83	84.5	58.4	108.4
85	55.4	36.9	68.5

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/02/2023

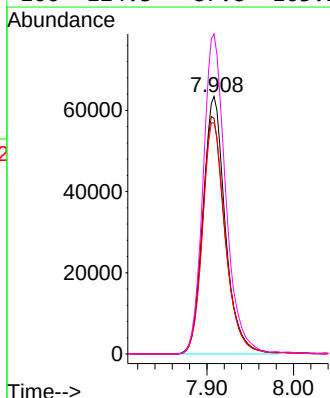
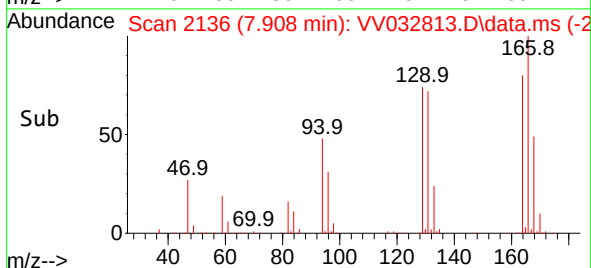


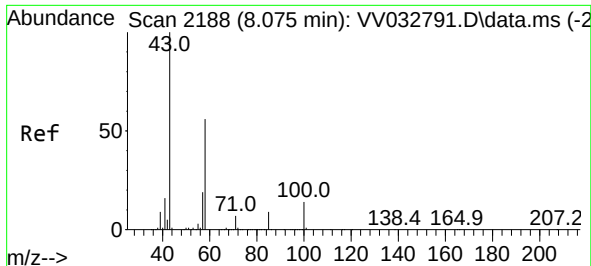
#46
Tetrachloroethene
Concen: 43.470 ug/L
RT: 7.908 min Scan# 2136
Delta R.T. 0.003 min
Lab File: VV032813.D
Acq: 31 Oct 2023 20:55



Tgt Ion: 164 Resp: 112950

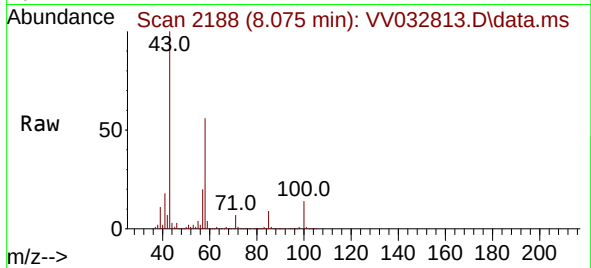
Ion	Ratio	Lower	Upper
164	100		
129	91.6	65.3	121.3
131	89.8	65.0	120.8
166	124.3	87.8	163.2





#48
2-Hexanone
Concen: 87.132 ug/L
RT: 8.075 min Scan# 2188
Delta R.T. 0.000 min
Lab File: VV032813.D
Acq: 31 Oct 2023 20:55

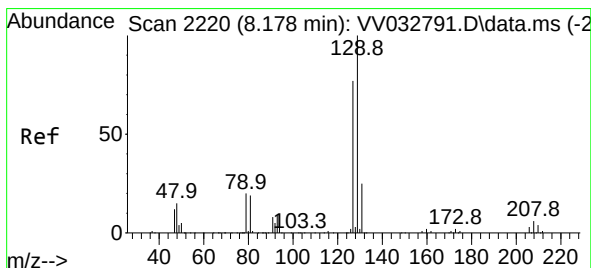
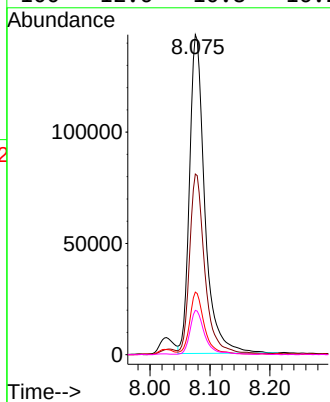
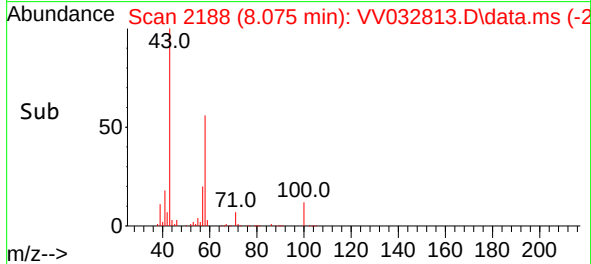
Instrument :
MSVOA_V
ClientSampleId :
E0007MS



Tgt Ion: 43 Resp: 25441
Ion Ratio Lower Upper
43 100
58 57.0 43.3 64.9
57 18.6 15.5 23.3
100 12.6 10.8 16.2

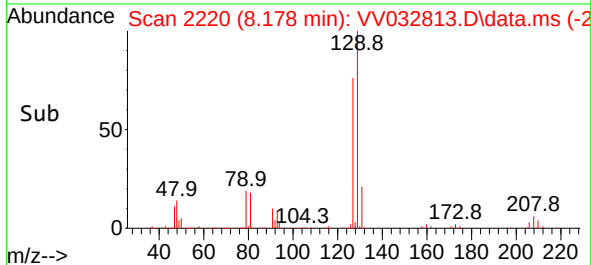
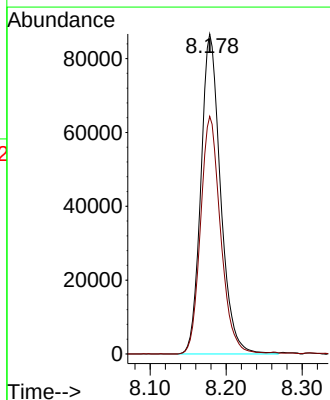
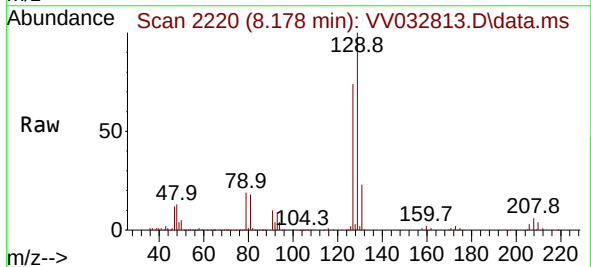
Manual Integrations
APPROVED

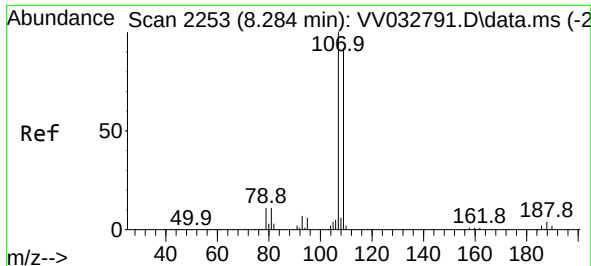
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/02/2023



#49
Dibromochloromethane
Concen: 47.292 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. 0.000 min
Lab File: VV032813.D
Acq: 31 Oct 2023 20:55

Tgt Ion:129 Resp: 155731
Ion Ratio Lower Upper
129 100
127 74.2 54.7 101.5





#50

1,2-Dibromoethane

Concen: 48.822 ug/L

RT: 8.284 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV032813.D

Acq: 31 Oct 2023 20:55

Instrument :

MSVOA_V

ClientSampleId :

E0007MS

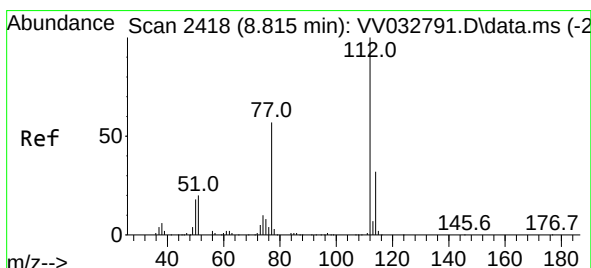
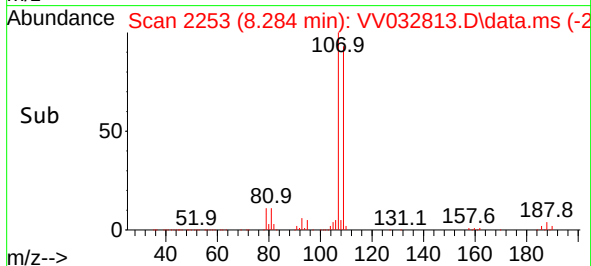
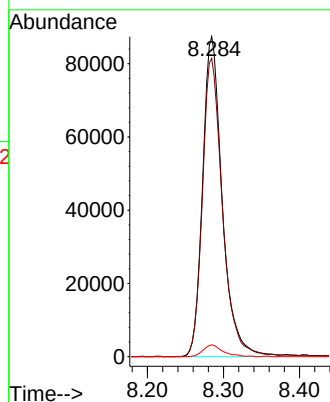
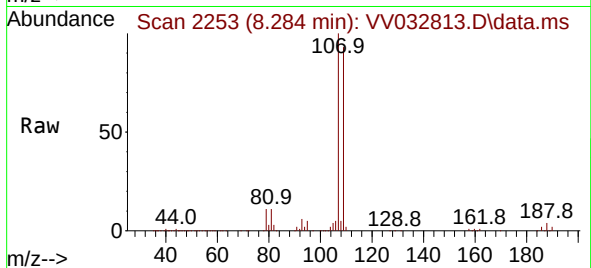
Tgt Ion:107 Resp: 156664
 Ion Ratio Lower Upper
 107 100
 109 93.2 66.4 123.2
 188 3.7 3.0 4.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/01/2023

Supervised By :Mahesh Dadoda 11/02/2023



#51

Chlorobenzene

Concen: 46.224 ug/L

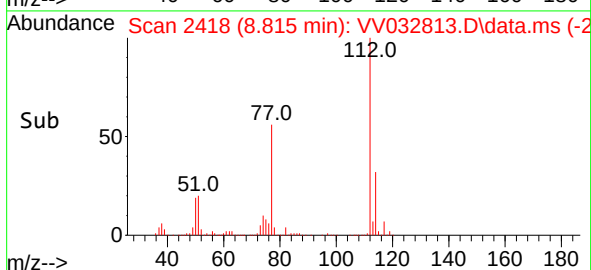
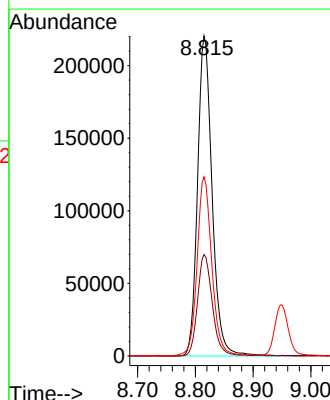
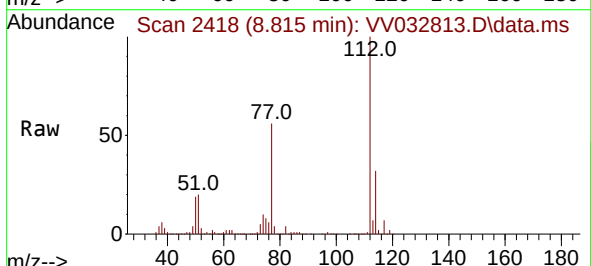
RT: 8.815 min Scan# 2418

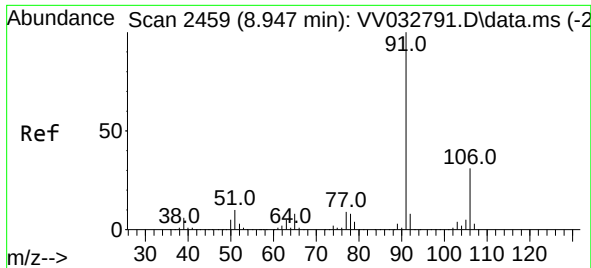
Delta R.T. 0.000 min

Lab File: VV032813.D

Acq: 31 Oct 2023 20:55

Tgt Ion:112 Resp: 385525
 Ion Ratio Lower Upper
 112 100
 114 31.7 21.6 40.2
 77 55.9 44.4 66.6





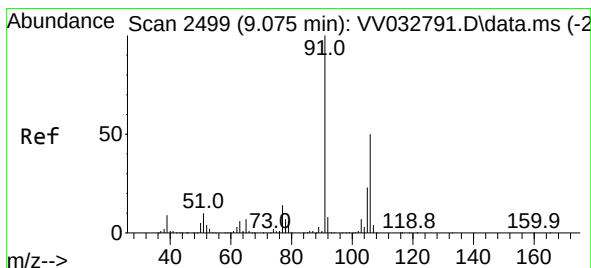
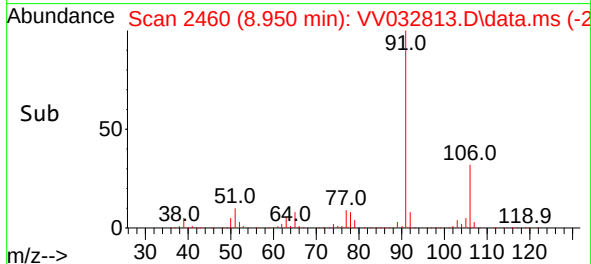
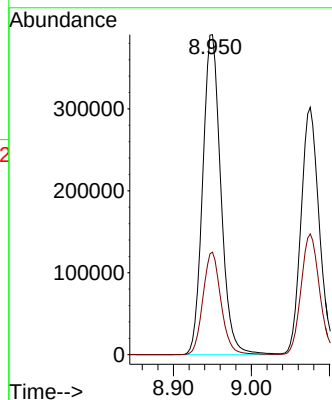
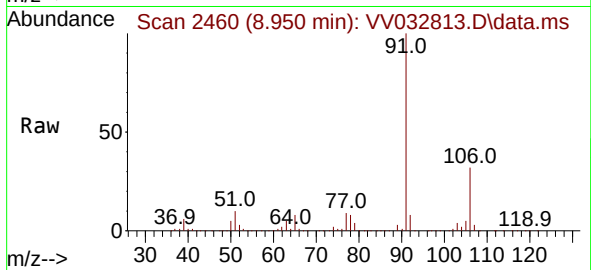
#52
Ethylbenzene
Concen: 48.618 ug/L
RT: 8.950 min Scan# 2459
Delta R.T. 0.003 min
Lab File: VV032813.D
Acq: 31 Oct 2023 20:55

Instrument :
MSVOA_V
ClientSampleId :
E0007MS

Tgt Ion: 91 Resp: 63182
Ion Ratio Lower Upper
91 100
106 32.1 21.7 40.3

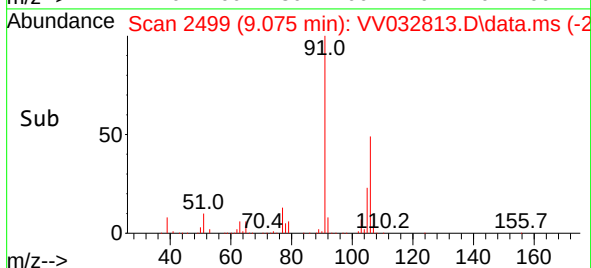
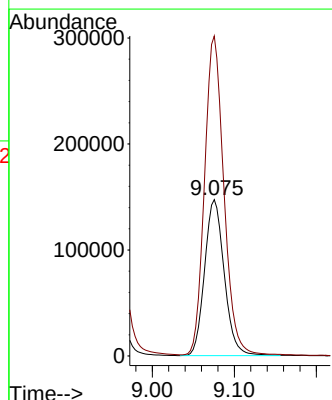
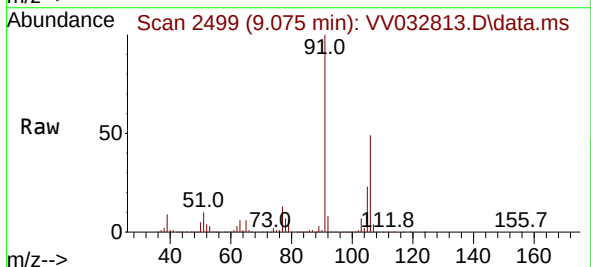
Manual Integrations
APPROVED

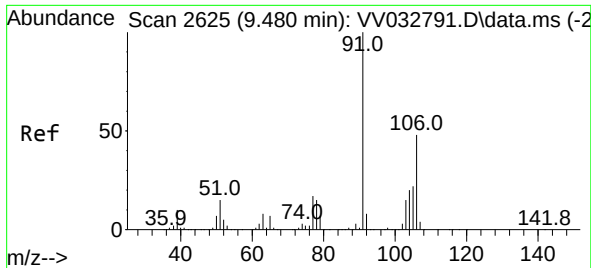
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/02/2023



#53
m,p-Xylene
Concen: 49.513 ug/L
RT: 9.075 min Scan# 2499
Delta R.T. 0.000 min
Lab File: VV032813.D
Acq: 31 Oct 2023 20:55

Tgt Ion:106 Resp: 244892
Ion Ratio Lower Upper
106 100
91 204.8 139.7 259.5





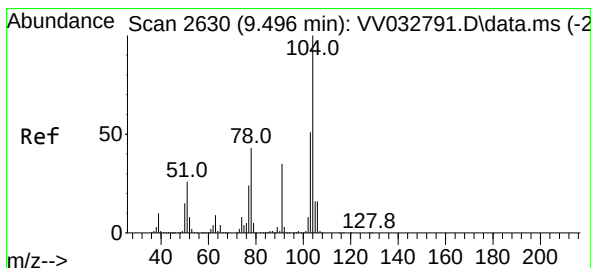
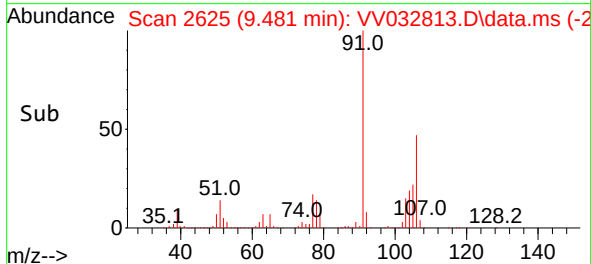
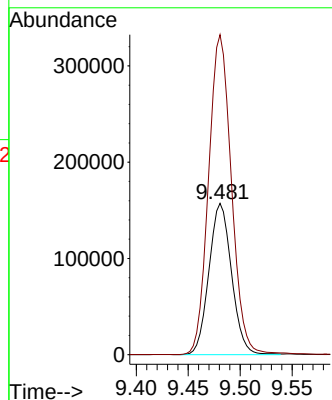
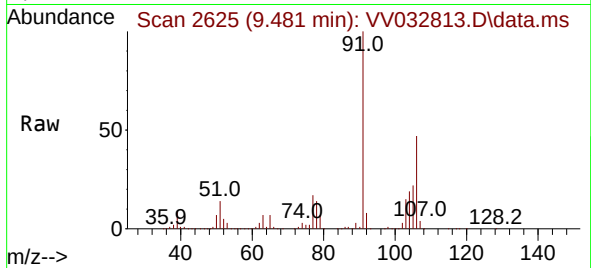
#54
o-Xylene
Concen: 49.695 ug/L
RT: 9.481 min Scan# 2625
Delta R.T. 0.000 min
Lab File: VV032813.D
Acq: 31 Oct 2023 20:55

Instrument :
MSVOA_V
ClientSampleId :
E0007MS

Tgt Ion:106 Resp: 23811
Ion Ratio Lower Upper
106 100
91 211.4 151.0 280.4

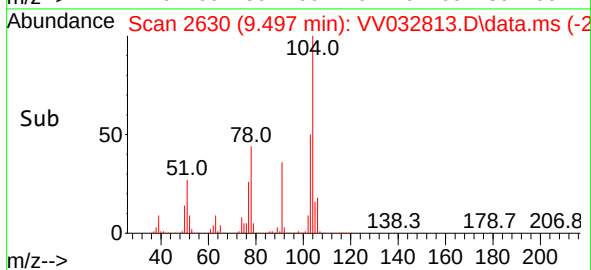
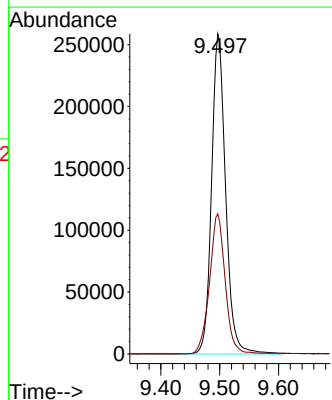
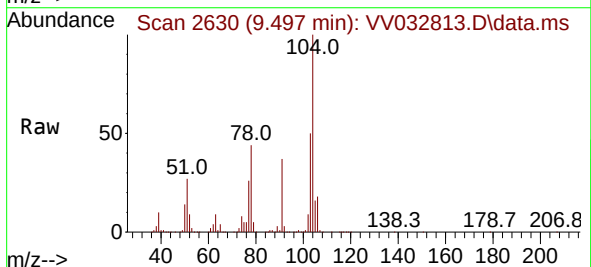
Manual Integrations
APPROVED

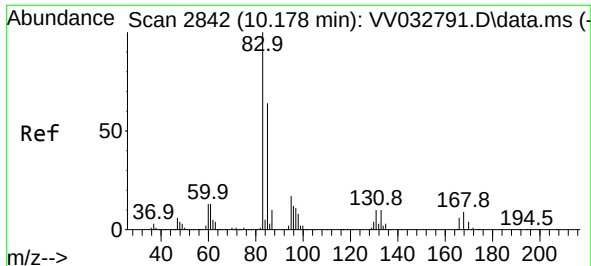
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/02/2023



#55
Styrene
Concen: 51.414 ug/L
RT: 9.497 min Scan# 2630
Delta R.T. 0.000 min
Lab File: VV032813.D
Acq: 31 Oct 2023 20:55

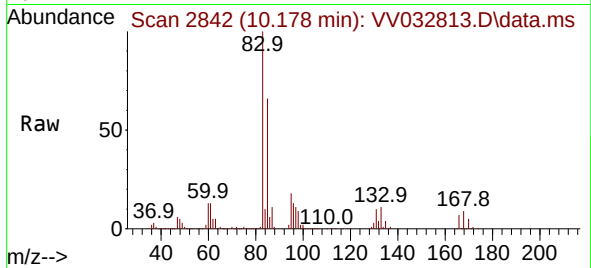
Tgt Ion:104 Resp: 429326
Ion Ratio Lower Upper
104 100
78 43.8 30.1 55.9





#57
1,1,2,2-Tetrachloroethane
Concen: 47.291 ug/L
RT: 10.178 min Scan# 2842
Delta R.T. 0.000 min
Lab File: VV032813.D
Acq: 31 Oct 2023 20:55

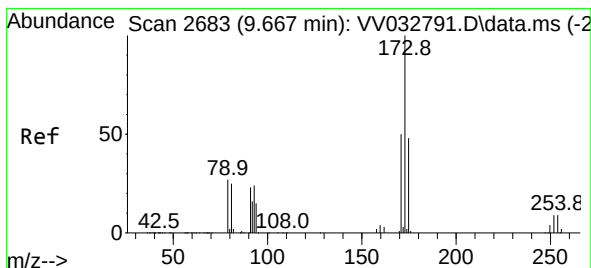
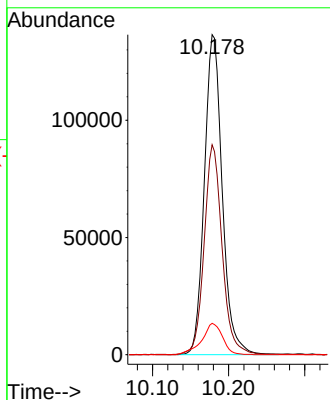
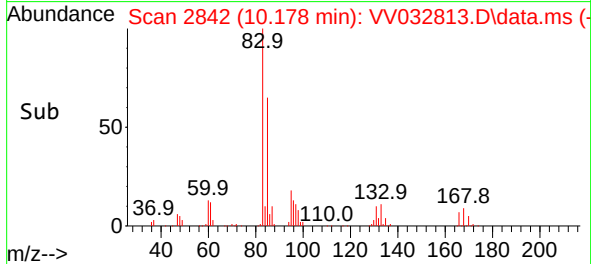
Instrument :
MSVOA_V
ClientSampleId :
E0007MS



Tgt Ion: 83 Resp: 223091
Ion Ratio Lower Upper
83 100
85 65.6 44.9 83.3
131 9.8 7.8 11.6

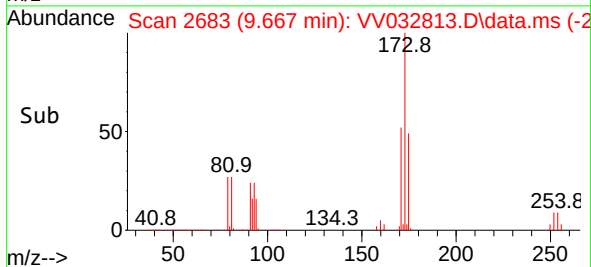
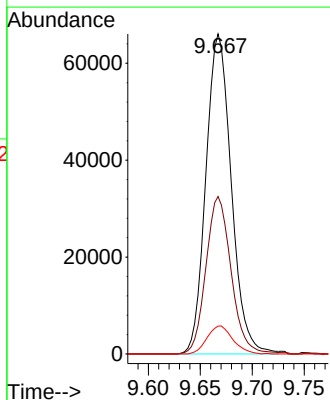
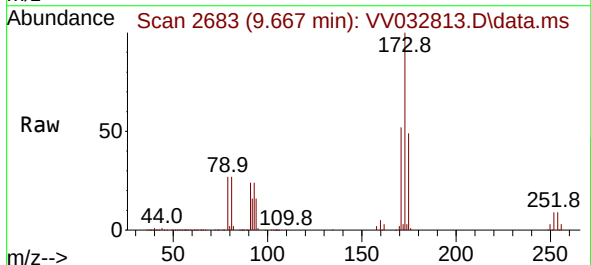
Manual Integrations
APPROVED

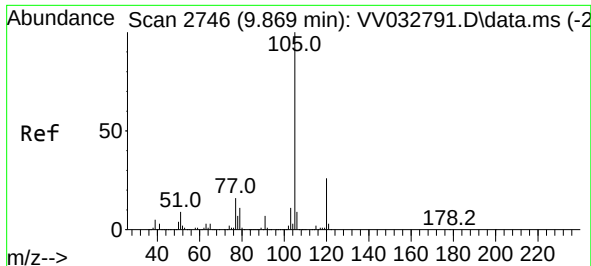
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/02/2023



#59
Bromoform
Concen: 45.656 ug/L
RT: 9.667 min Scan# 2683
Delta R.T. 0.000 min
Lab File: VV032813.D
Acq: 31 Oct 2023 20:55

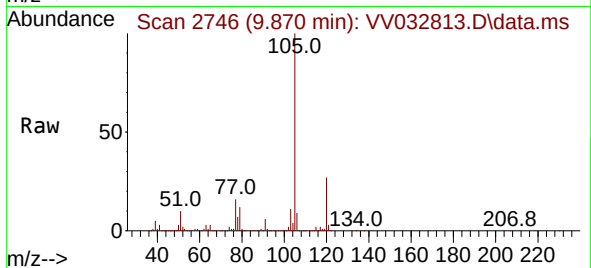
Tgt Ion:173 Resp: 112418
Ion Ratio Lower Upper
173 100
175 48.8 38.4 57.6
254 8.9 7.0 10.6





#60
Isopropylbenzene
Concen: 48.893 ug/L
RT: 9.870 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV032813.D
Acq: 31 Oct 2023 20:55

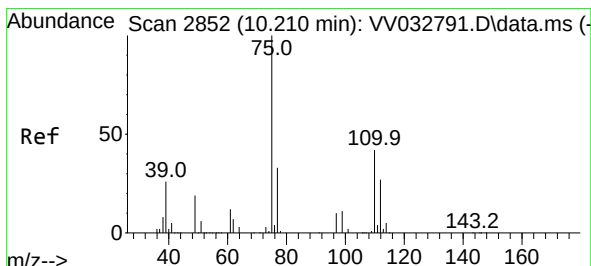
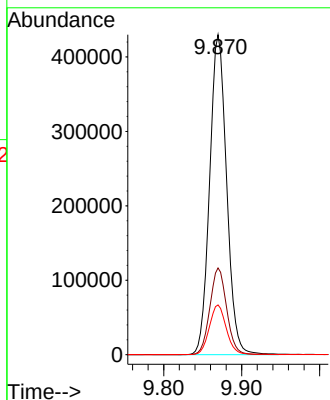
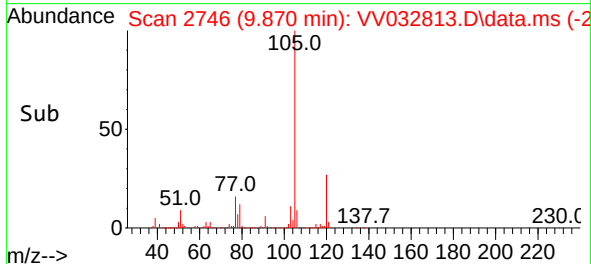
Instrument :
MSVOA_V
ClientSampleId :
E0007MS



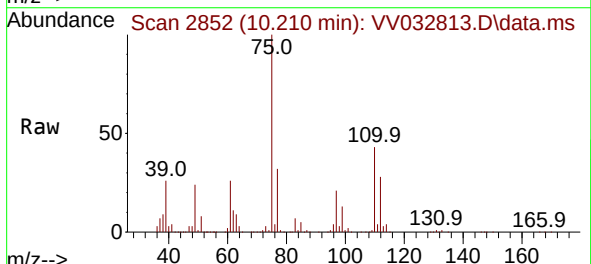
Tgt Ion:105 Resp: 651168
Ion Ratio Lower Upper
105 100
120 26.8 21.1 31.7
77 15.4 12.6 19.0

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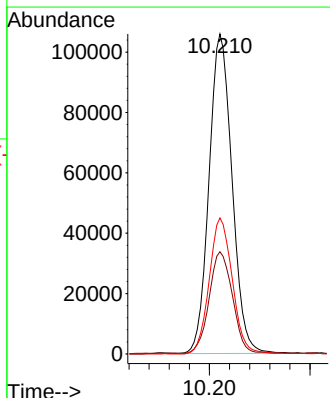
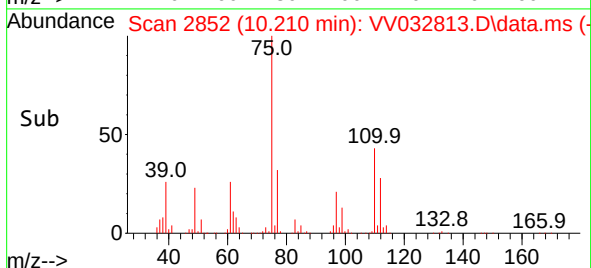
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/02/2023

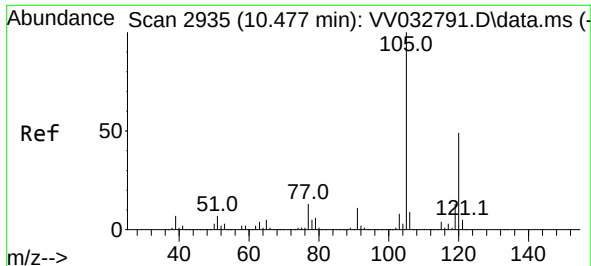


#61
1,2,3-Trichloropropane
Concen: 45.794 ug/L
RT: 10.210 min Scan# 2852
Delta R.T. 0.000 min
Lab File: VV032813.D
Acq: 31 Oct 2023 20:55



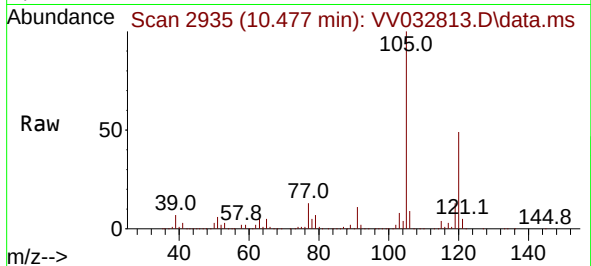
Tgt Ion: 75 Resp: 167983
Ion Ratio Lower Upper
75 100
77 32.3 25.4 38.0
110 42.9 34.3 51.5





#62
1,3,5-Trimethylbenzene
Concen: 49.566 ug/L
RT: 10.477 min Scan# 2935
Delta R.T. 0.000 min
Lab File: VV032813.D
Acq: 31 Oct 2023 20:55

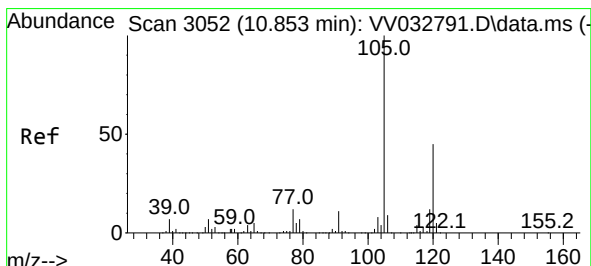
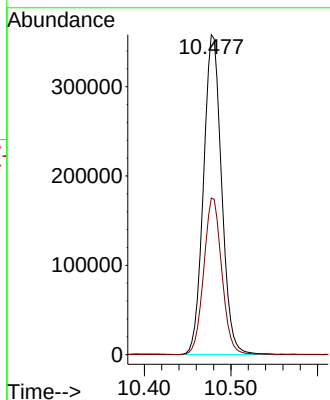
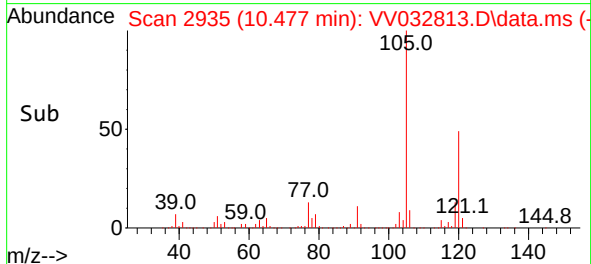
Instrument :
MSVOA_V
ClientSampleId :
E0007MS



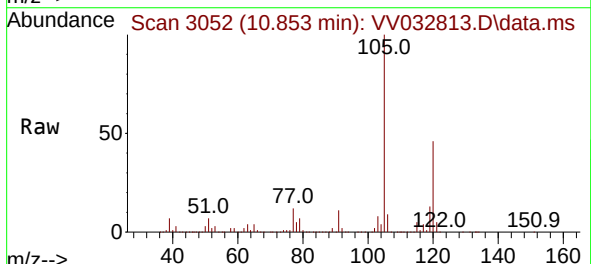
Tgt Ion:105 Resp: 51946
Ion Ratio Lower Upper
105 100
120 48.9 39.9 59.9

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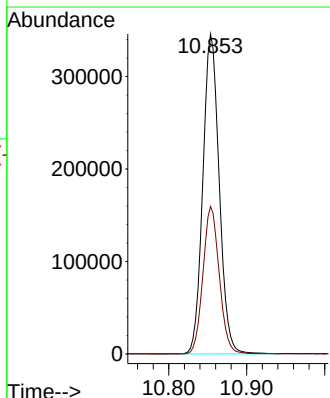
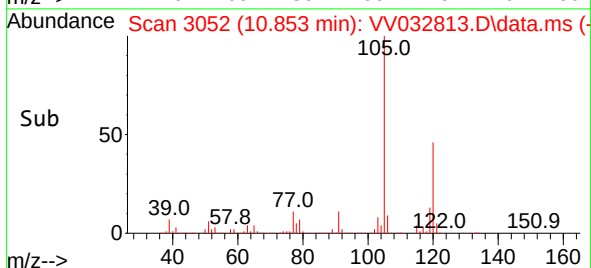
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/02/2023

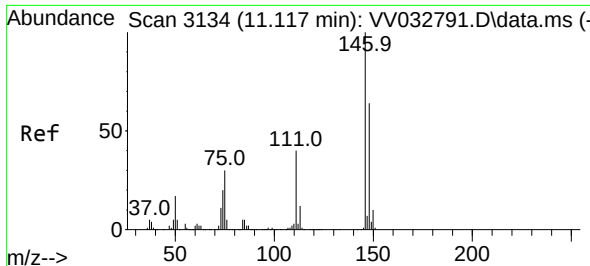


#63
1,2,4-Trimethylbenzene
Concen: 50.322 ug/L
RT: 10.853 min Scan# 3052
Delta R.T. 0.000 min
Lab File: VV032813.D
Acq: 31 Oct 2023 20:55



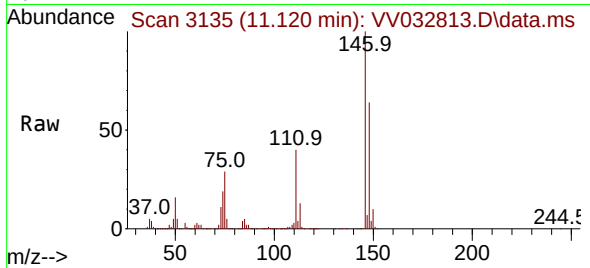
Tgt Ion:105 Resp: 504491
Ion Ratio Lower Upper
105 100
120 46.0 37.0 55.6





#64
1,3-Dichlorobenzene
Concen: 45.569 ug/L
RT: 11.120 min Scan# 3134
Delta R.T. 0.003 min
Lab File: VV032813.D
Acq: 31 Oct 2023 20:55

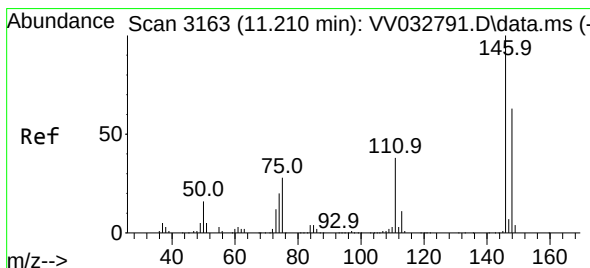
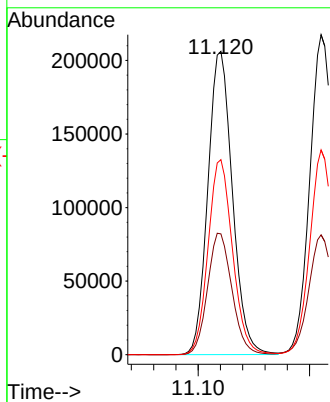
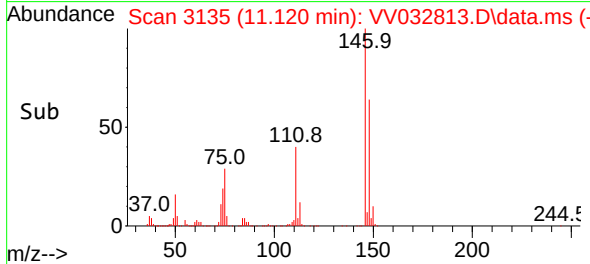
Instrument :
MSVOA_V
ClientSampleId :
E0007MS



Tgt Ion:146 Resp: 316170
Ion Ratio Lower Upper
146 100
111 39.8 27.2 50.4
148 64.3 44.6 82.8

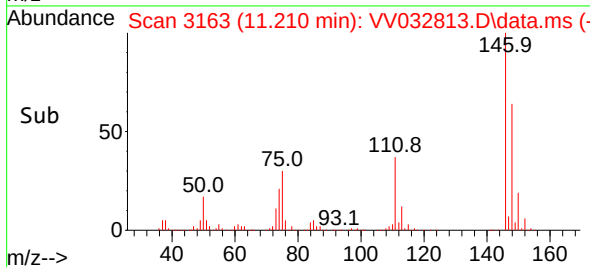
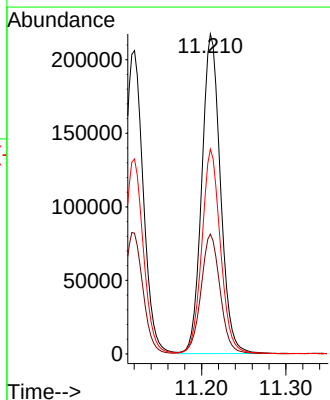
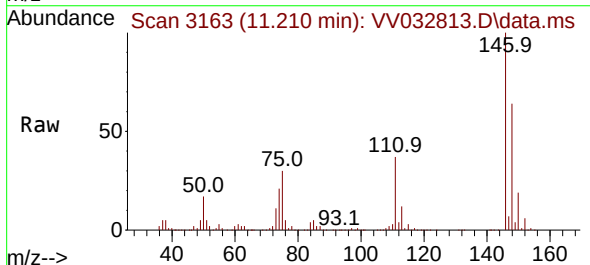
Manual Integrations
APPROVED

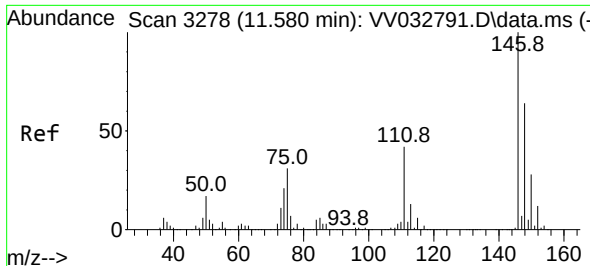
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/02/2023



#65
1,4-Dichlorobenzene
Concen: 45.782 ug/L
RT: 11.210 min Scan# 3163
Delta R.T. 0.000 min
Lab File: VV032813.D
Acq: 31 Oct 2023 20:55

Tgt Ion:146 Resp: 335164
Ion Ratio Lower Upper
146 100
111 37.4 26.5 49.1
148 64.0 44.9 83.5





#67

1,2-Dichlorobenzene

Concen: 46.042 ug/L

RT: 11.580 min Scan# 3278

Delta R.T. 0.000 min

Lab File: VV032813.D

Acq: 31 Oct 2023 20:55

Instrument :

MSVOA_V

ClientSampleId :

E0007MS

Tgt Ion:146 Resp: 326120

Ion Ratio Lower Upper

146 100

111 41.4 32.5 48.7

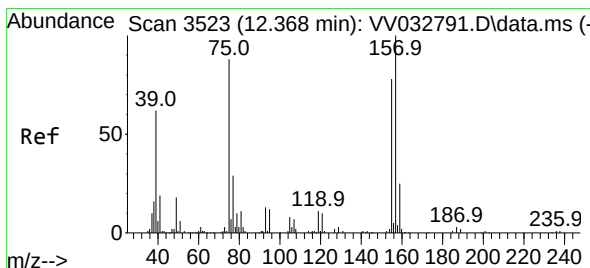
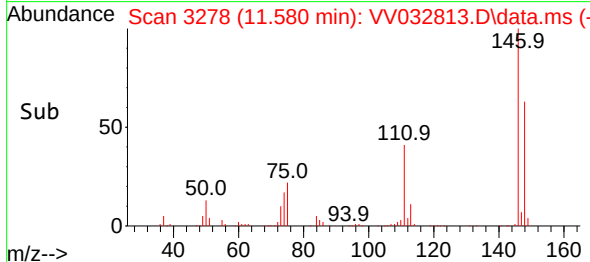
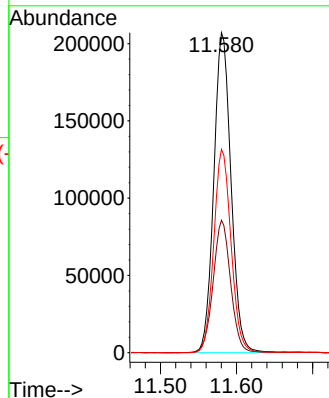
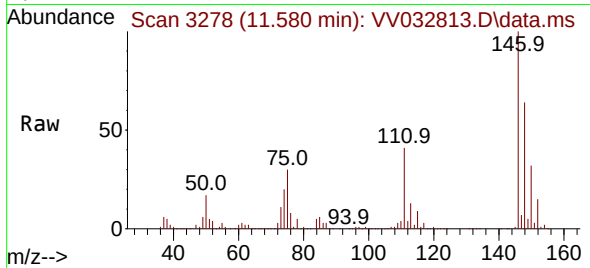
148 63.6 50.6 76.0

Manual Integrations

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Reviewed By :John Carlone 11/01/2023

Supervised By :Mahesh Dadoda 11/02/2023



#68

1,2-Dibromo-3-chloropropane

Concen: 44.131 ug/L

RT: 12.368 min Scan# 3523

Delta R.T. 0.000 min

Lab File: VV032813.D

Acq: 31 Oct 2023 20:55

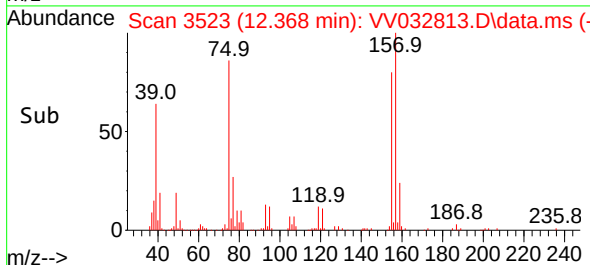
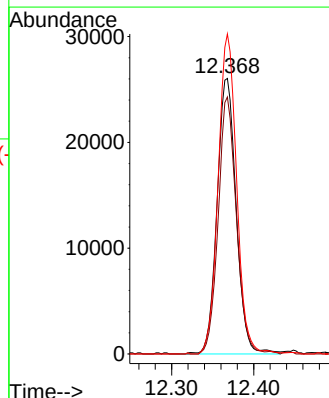
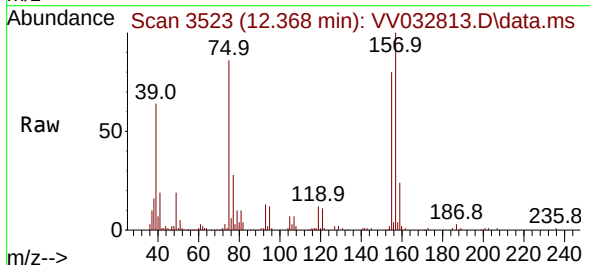
Tgt Ion: 75 Resp: 42131

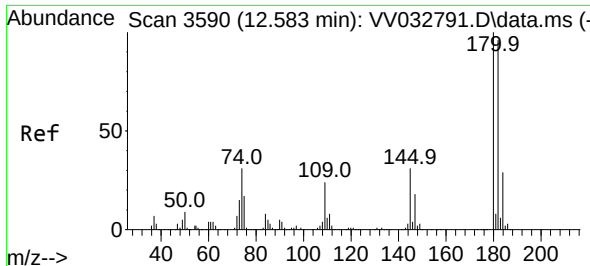
Ion Ratio Lower Upper

75 100

155 93.2 68.6 102.8

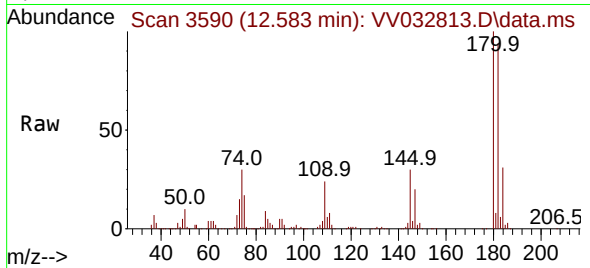
157 116.1 87.3 130.9





#69
1,3,5-Trichlorobenzene
Concen: 44.702 ug/L
RT: 12.583 min Scan# 3590
Delta R.T. 0.000 min
Lab File: VV032813.D
Acq: 31 Oct 2023 20:55

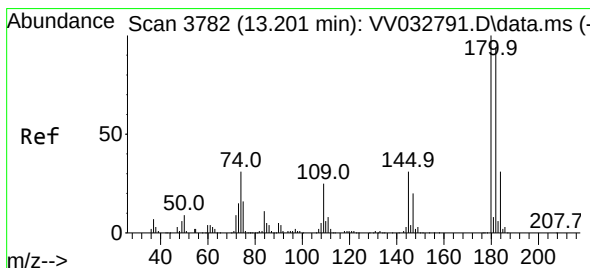
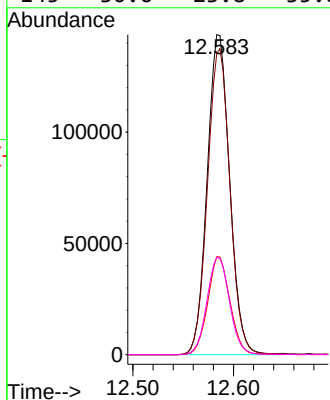
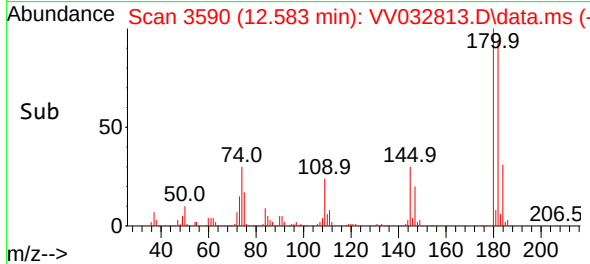
Instrument :
MSVOA_V
ClientSampleId :
E0007MS



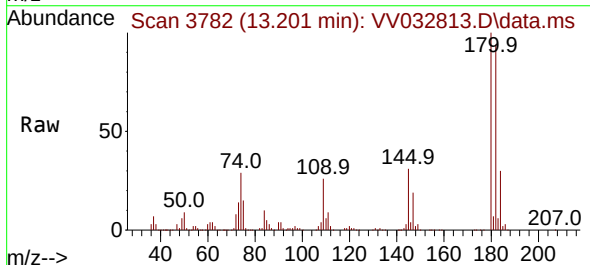
Tgt Ion:180 Resp: 22390
Ion Ratio Lower Upper
180 100
182 95.5 75.9 113.9
184 30.2 23.5 35.3
145 30.6 23.8 35.8

Manual Integrations
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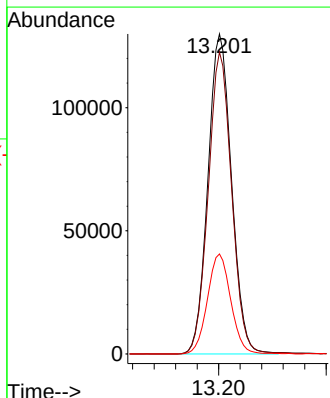
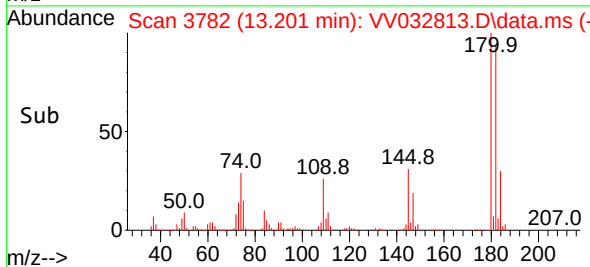
Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/02/2023

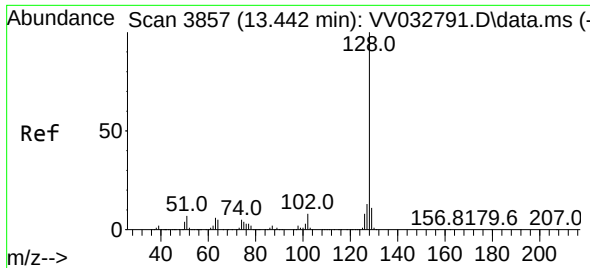


#70
1,2,4-trichlorobenzene
Concen: 45.660 ug/L
RT: 13.201 min Scan# 3782
Delta R.T. 0.000 min
Lab File: VV032813.D
Acq: 31 Oct 2023 20:55



Tgt Ion:180 Resp: 197785
Ion Ratio Lower Upper
180 100
182 93.4 76.9 115.3
145 30.8 24.7 37.1





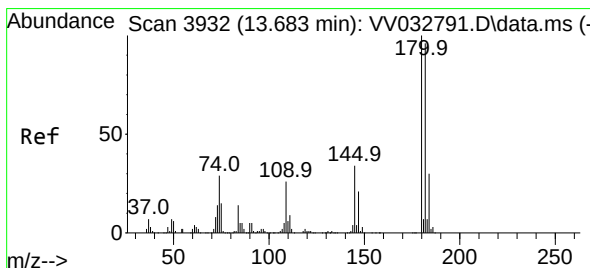
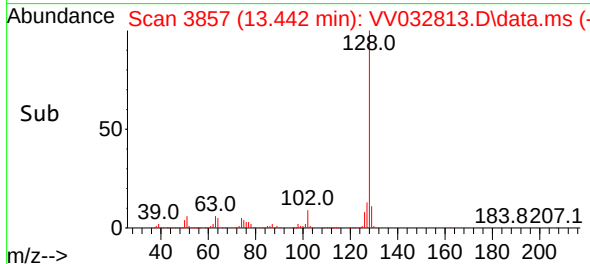
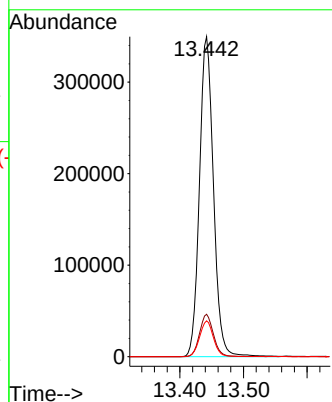
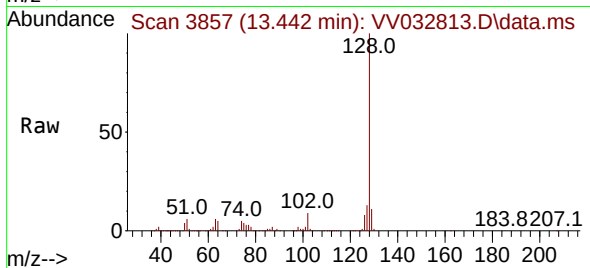
#71
Naphthalene
Concen: 49.409 ug/L
RT: 13.442 min Scan# 3857
Delta R.T. 0.000 min
Lab File: VV032813.D
Acq: 31 Oct 2023 20:55

Instrument :
MSVOA_V
ClientSampleId :
E0007MS

Tgt Ion:128 Resp: 53447
Ion Ratio Lower Upper
128 100
127 13.1 10.6 15.8
129 11.1 8.6 12.8

Manual Integrations
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Reviewed By :John Carlone 11/01/2023
Supervised By :Mahesh Dadoda 11/02/2023



#72
1,2,3-Trichlorobenzene
Concen: 47.973 ug/L
RT: 13.683 min Scan# 3932
Delta R.T. 0.000 min
Lab File: VV032813.D
Acq: 31 Oct 2023 20:55

Tgt Ion:180 Resp: 207483
Ion Ratio Lower Upper
180 100
182 94.7 76.2 114.4
145 32.7 25.8 38.8

