

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111621\
 Data File : VW023530.D
 Acq On : 16 Nov 2021 13:36
 Operator : SY/MD
 Sample : M4643-04MSD
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GB8J9MSD

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/17/2021
 Supervised By : Mahesh Dadoda 11/18/2021

Quant Time: Nov 17 00:51:51 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Nov 17 00:48:57 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	128790	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	126220	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	68679	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	34818	4.315	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.400%
7) Chloroethane-d5	1.568	69	30147	4.585	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.600%
11) 1,1-Dichloroethene-d2	2.111	63	66679	4.415	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.200%
20) 2-Butanone-d5	3.908	46	61533	44.268	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.540%
24) Chloroform-d	4.349	84	75506	4.391	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.800%
26) 1,2-Dichloroethane-d4	5.034	65	35697	4.617	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.400%
32) Benzene-d6	5.050	84	148190	4.576	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.600%
36) 1,2-Dichloropropane-d6	6.072	67	43254	4.537	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.800%
41) Toluene-d8	7.317	98	144583	4.764	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.200%
43) trans-1,3-Dichloroprop...	7.625	79	17390	4.811	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.200%
46) 2-Hexanone-d5	8.092	63	62401	46.917	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.840%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	31782	4.636	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.800%
66) 1,2-Dichlorobenzene-d4	11.625	152	54458	4.762	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.200%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.130	85	51907	4.133	ug/L	99
3) Chloromethane	1.240	50	46857	4.388	ug/L	97
5) Vinyl chloride	1.311	62	48303	4.530	ug/L	98
6) Bromomethane	1.523	94	28272	4.148	ug/L	97
8) Chloroethane	1.584	64	28384	4.612	ug/L	96
9) Trichlorofluoromethane	1.754	101	74863	4.672	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.118	101	38391	4.759	ug/L	96
12) 1,1-Dichloroethene	2.118	96	35066	4.566	ug/L	95
13) Acetone	2.198	43	47746m	56.216	ug/L	
14) Carbon disulfide	2.294	76	118627	4.093	ug/L	99
15) Methyl Acetate	2.446	43	10212	4.248	ug/L	93
16) Methylene chloride	2.507	84	41731	3.723	ug/L	96
17) Methyl tert-butyl Ether	2.770	73	80728	4.775	ug/L	94
18) trans-1,2-Dichloroethene	2.761	96	42905	4.544	ug/L	97
19) 1,1-Dichloroethane	3.191	63	72881	4.572	ug/L	96
21) 2-Butanone	3.999	43	68177m	49.649	ug/L	
22) cis-1,2-Dichloroethene	3.912	96	41919	4.614	ug/L #	93
23) Bromochloromethane	4.249	128	19720	4.707	ug/L #	84
25) Chloroform	4.375	83	82189	4.837	ug/L	99

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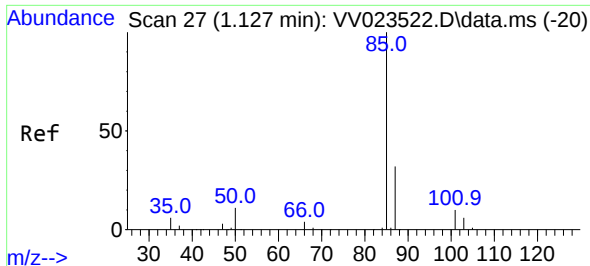
Quant Time: Nov 17 00:51:51 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR110421WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Nov 17 00:48:57 2021
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.134	62	41784	4.623	ug/L	96
29) 1,1,1-Trichloroethane	4.609	97	71833	4.686	ug/L	99
30) Cyclohexane	4.680	56	61006	4.441	ug/L	97
31) Carbon tetrachloride	4.828	117	65189	4.735	ug/L	97
33) Benzene	5.101	78	167599	4.751	ug/L	100
34) Trichloroethene	5.915	95	43851	4.674	ug/L	99
35) Methylcyclohexane	6.130	83	66840	4.514	ug/L	95
37) 1,2-Dichloropropane	6.175	63	38801	4.711	ug/L	98
38) Bromodichloromethane	6.510	83	51360	4.653	ug/L	99
39) cis-1,3-Dichloropropene	7.031	75	56413	4.762	ug/L	96
40) 4-Methyl-2-pentanone	7.230	43	204618	53.568	ug/L	97
42) Toluene	7.387	91	187330	4.965	ug/L	98
44) trans-1,3-Dichloropropene	7.651	75	47673	4.850	ug/L	97
45) 1,1,2-Trichloroethane	7.841	97	28087	4.746	ug/L	98
47) Tetrachloroethene	7.976	164	75994	9.347	ug/L	98
48) 2-Hexanone	8.143	43	148221	55.377	ug/L	97
49) Dibromochloromethane	8.246	129	36687	4.893	ug/L	99
50) 1,2-Dibromoethane	8.355	107	26503	4.833	ug/L	97
51) Chlorobenzene	8.883	112	117059	4.667	ug/L	97
52) Ethylbenzene	9.011	91	188176	4.728	ug/L	98
53) m,p-xylene	9.140	106	74624	4.778	ug/L	96
54) o-xylene	9.545	106	71549	4.883	ug/L	98
55) Styrene	9.561	104	123071	4.903	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.243	83	30030	4.632	ug/L	97
59) Bromoform	9.731	173	20259	4.939	ug/L	99
60) Isopropylbenzene	9.931	105	192837	4.893	ug/L	100
61) 1,2,3-Trichloropropane	10.275	75	22397	4.909	ug/L	97
62) 1,3,5-Trimethylbenzene	10.538	105	160272	4.905	ug/L	99
63) 1,2,4-Trimethylbenzene	10.915	105	161645	4.970	ug/L	98
64) 1,3-Dichlorobenzene	11.182	146	97596	4.847	ug/L	99
65) 1,4-Dichlorobenzene	11.272	146	96693	4.702	ug/L	99
67) 1,2-Dichlorobenzene	11.641	146	89086	4.944	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.429	75	4370	4.496	ug/L #	81
69) 1,3,5-Trichlorobenzene	12.644	180	74156	4.703	ug/L	100
70) 1,2,4-trichlorobenzene	13.262	180	54923	4.350	ug/L	99
71) Naphthalene	13.503	128	78651	4.225	ug/L	99
72) 1,2,3-Trichlorobenzene	13.744	180	50514	4.573	ug/L	98

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



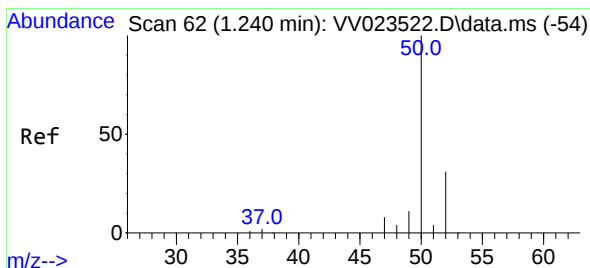
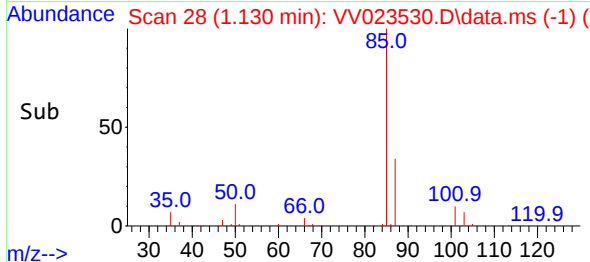
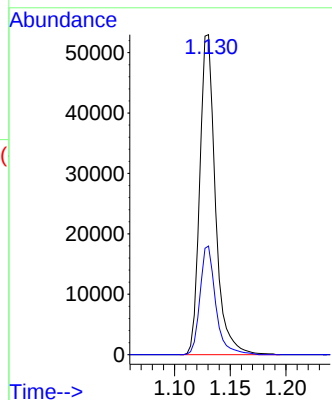
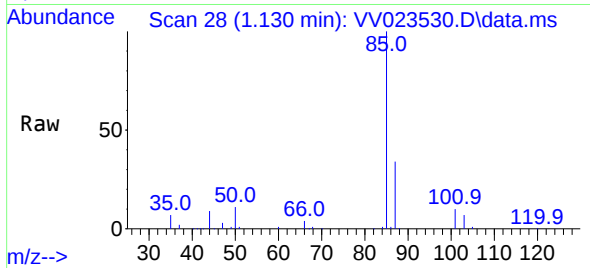
#2
 Dichlorodifluoromethane
 Concen: 4.133 ug/L
 RT: 1.130 min Scan# 27
 Delta R.T. 0.003 min
 Lab File: VV023530.D
 Acq: 16 Nov 2021 13:36

Instrument :
 MSVOA_V
 ClientSampleId :
 GB8J9MSD

Tgt Ion: 85 Resp: 5190
 Ion Ratio Lower Upper
 85 100
 87 33.9 26.6 39.8

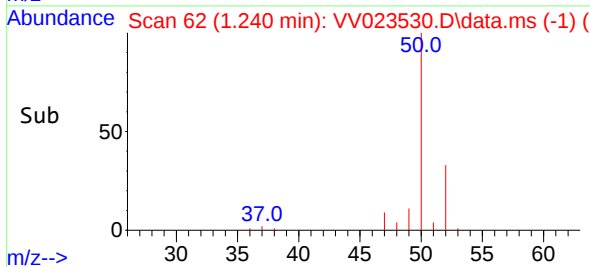
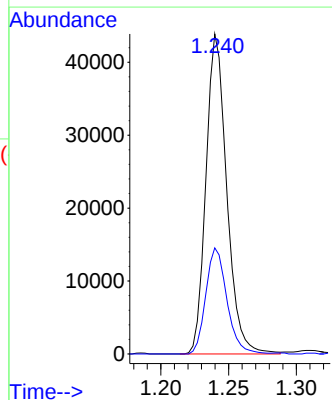
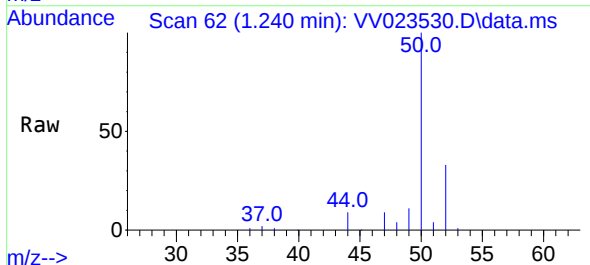
Manual Integrations
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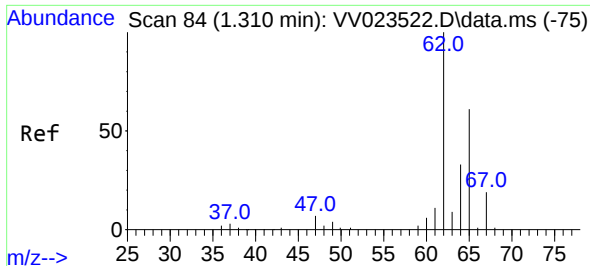
Reviewed By :John Carlone 11/17/2021
 Supervised By :Mahesh Dadoda 11/18/2021



#3
 Chloromethane
 Concen: 4.388 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. 0.000 min
 Lab File: VV023530.D
 Acq: 16 Nov 2021 13:36

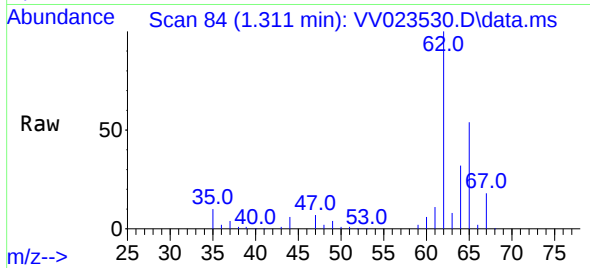
Tgt Ion: 50 Resp: 46857
 Ion Ratio Lower Upper
 50 100
 52 33.2 24.3 45.1





#5
 Vinyl chloride
 Concen: 4.530 ug/L
 RT: 1.311 min Scan# 84
 Delta R.T. 0.000 min
 Lab File: VV023530.D
 Acq: 16 Nov 2021 13:36

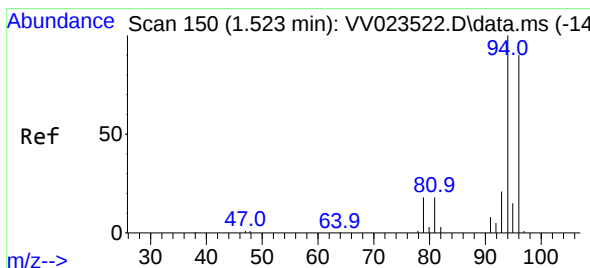
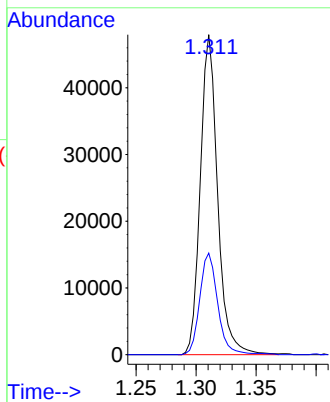
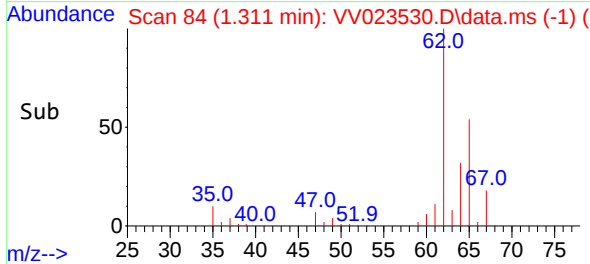
Instrument :
 MSVOA_V
 ClientSampleId :
 GB8J9MSD



Tgt Ion: 62 Resp: 4830
 Ion Ratio Lower Upper
 62 100
 64 31.7 23.1 42.9

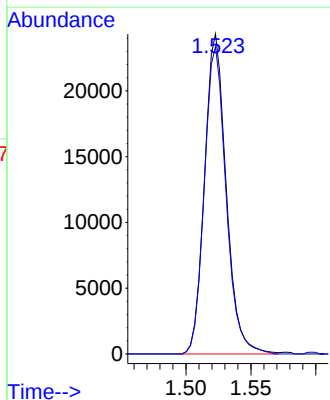
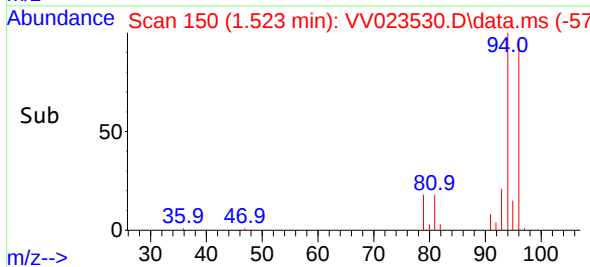
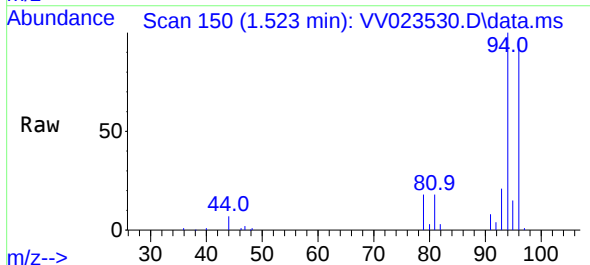
Manual Integrations
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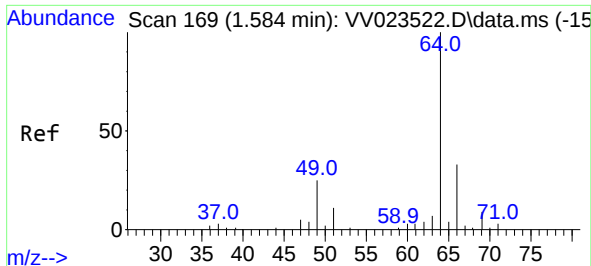
Reviewed By :John Carlone 11/17/2021
 Supervised By :Mahesh Dadoda 11/18/2021



#6
 Bromomethane
 Concen: 4.148 ug/L
 RT: 1.523 min Scan# 150
 Delta R.T. 0.000 min
 Lab File: VV023530.D
 Acq: 16 Nov 2021 13:36

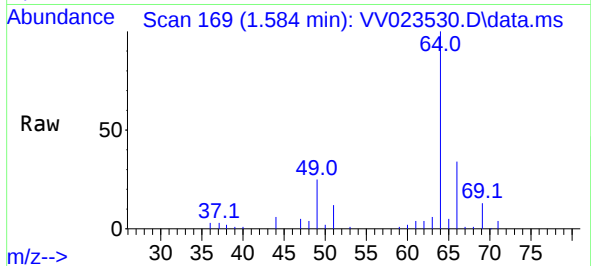
Tgt Ion: 94 Resp: 28272
 Ion Ratio Lower Upper
 94 100
 96 96.1 65.0 120.8





#8
Chloroethane
Concen: 4.612 ug/L
RT: 1.584 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV023530.D
Acq: 16 Nov 2021 13:36

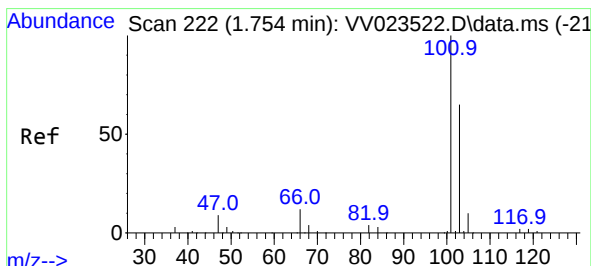
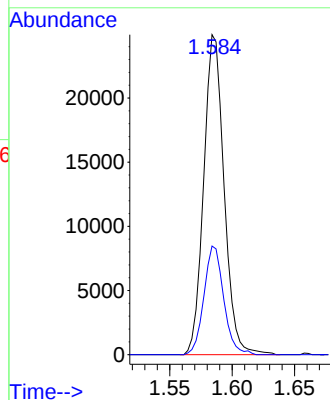
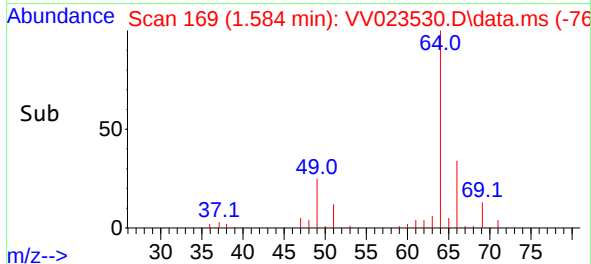
Instrument :
MSVOA_V
ClientSampleId :
GB8J9MSD



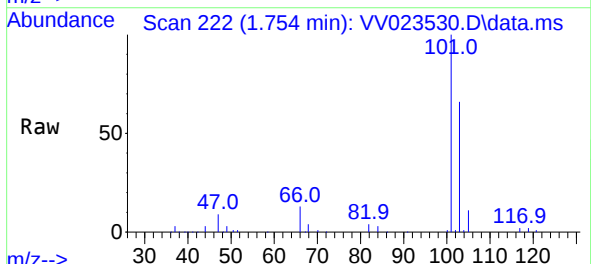
Tgt Ion: 64 Resp: 28384
Ion Ratio Lower Upper
64 100
66 34.0 22.1 41.1

Manual Integrations
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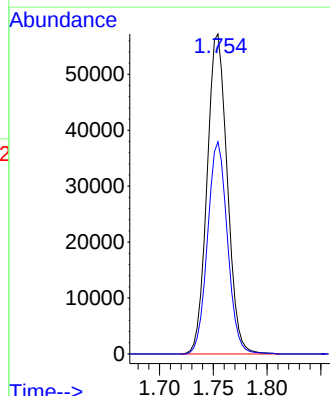
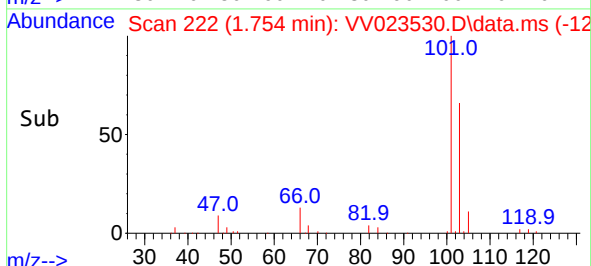
Reviewed By :John Carlone 11/17/2021
Supervised By :Mahesh Dadoda 11/18/2021

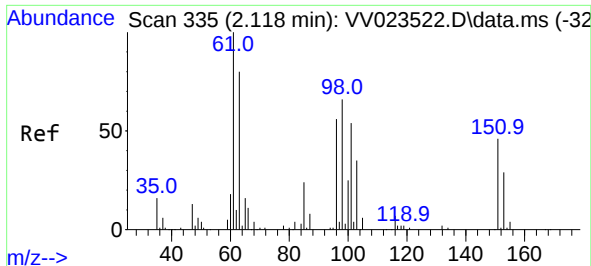


#9
Trichlorofluoromethane
Concen: 4.672 ug/L
RT: 1.754 min Scan# 222
Delta R.T. 0.000 min
Lab File: VV023530.D
Acq: 16 Nov 2021 13:36



Tgt Ion:101 Resp: 74863
Ion Ratio Lower Upper
101 100
103 65.3 52.6 79.0





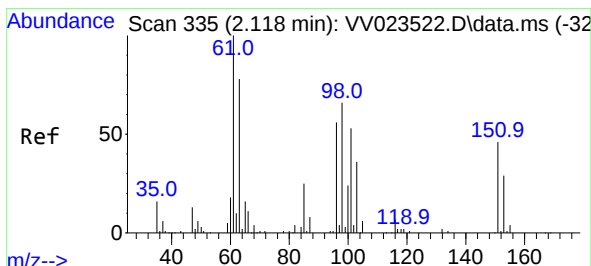
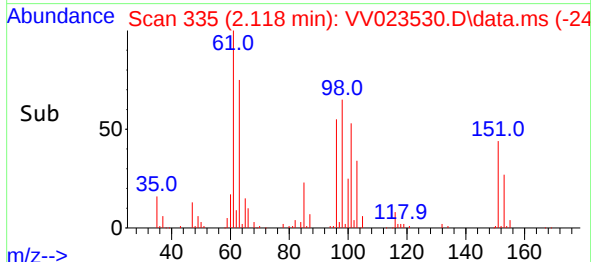
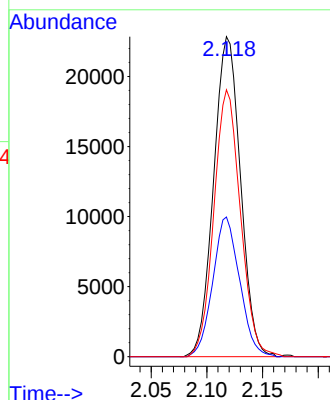
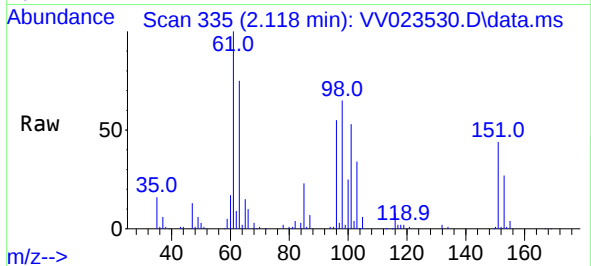
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.759 ug/L
RT: 2.118 min Scan# 335
Delta R.T. 0.000 min
Lab File: VV023530.D
Acq: 16 Nov 2021 13:36

Instrument :
MSVOA_V
ClientSampleId :
GB8J9MSD

Tgt Ion:101 Resp: 3839
Ion Ratio Lower Upper
101 100
85 43.5 35.3 52.9
151 82.3 62.2 93.2

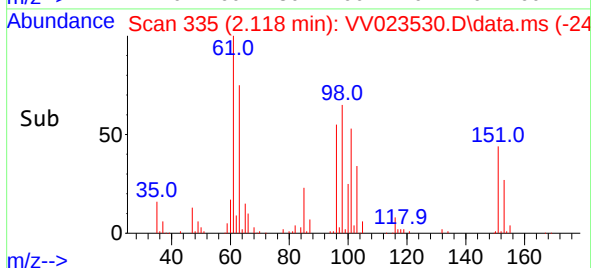
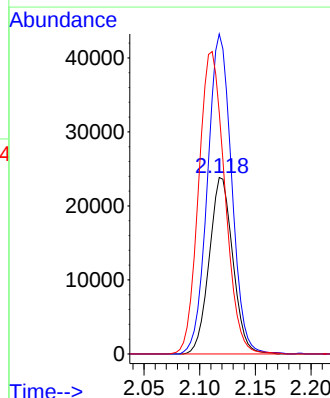
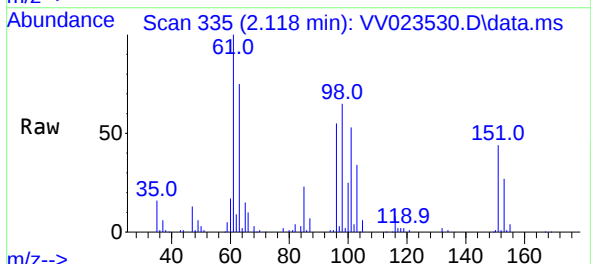
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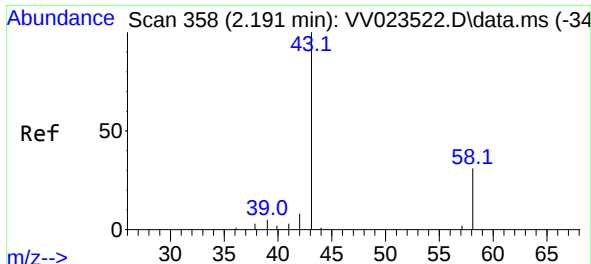
Reviewed By :John Carlone 11/17/2021
Supervised By :Mahesh Dadoda 11/18/2021



#12
1,1-Dichloroethene
Concen: 4.566 ug/L
RT: 2.118 min Scan# 335
Delta R.T. 0.000 min
Lab File: VV023530.D
Acq: 16 Nov 2021 13:36

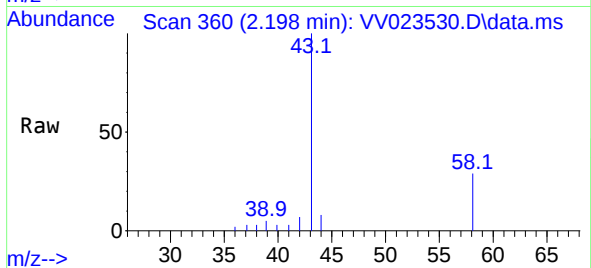
Tgt Ion: 96 Resp: 35066
Ion Ratio Lower Upper
96 100
61 181.3 121.5 225.7
63 136.8 99.6 185.0





#13
Acetone
Concen: 56.216 ug/L m
RT: 2.198 min Scan# 30
Delta R.T. 0.006 min
Lab File: VV023530.D
Acq: 16 Nov 2021 13:36

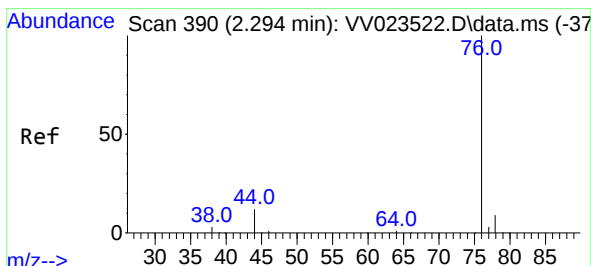
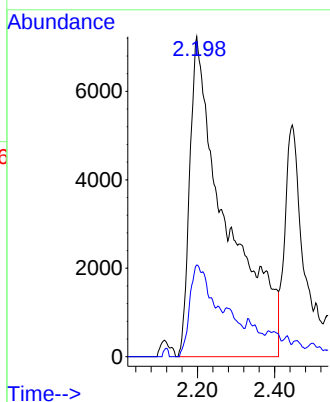
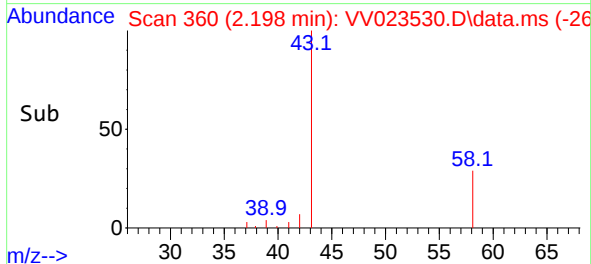
Instrument :
MSVOA_V
ClientSampleId :
GB8J9MSD



Tgt Ion: 43 Resp: 47740
Ion Ratio Lower Upper
43 100
58 15.6 0.0 55.4

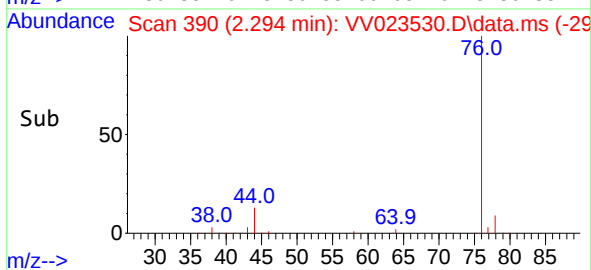
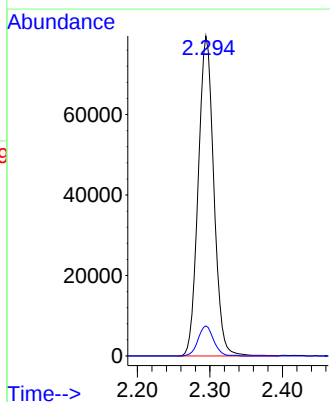
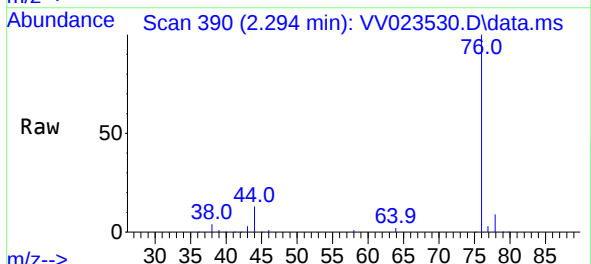
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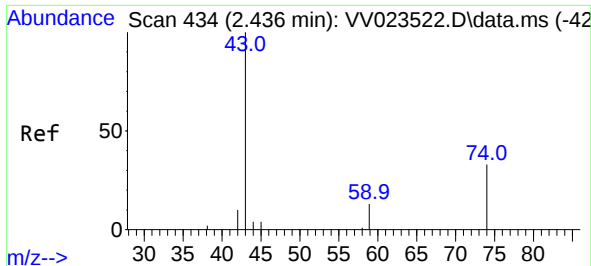
Reviewed By :John Carlone 11/17/2021
Supervised By :Mahesh Dadoda 11/18/2021



#14
Carbon disulfide
Concen: 4.093 ug/L
RT: 2.294 min Scan# 390
Delta R.T. 0.000 min
Lab File: VV023530.D
Acq: 16 Nov 2021 13:36

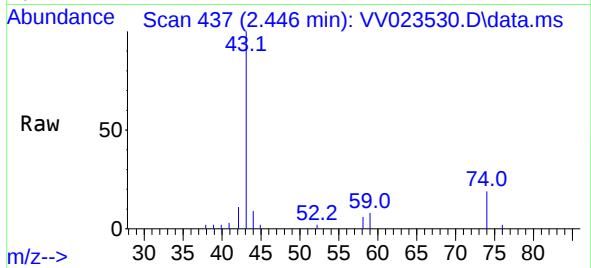
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Ion Ratio Lower Upper
76 100
78 9.4 7.2 10.8





#15
Methyl Acetate
Concen: 4.248 ug/L
RT: 2.446 min Scan# 41
Delta R.T. 0.010 min
Lab File: VV023530.D
Acq: 16 Nov 2021 13:36

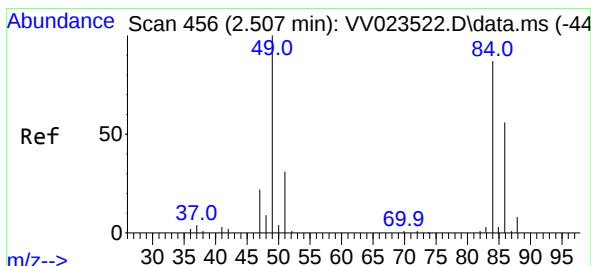
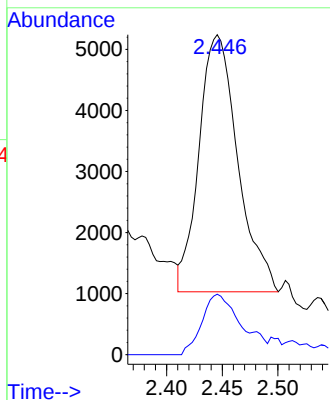
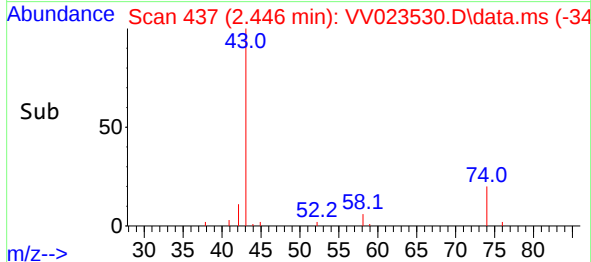
Instrument :
MSVOA_V
ClientSampleId :
GB8J9MSD



Tgt Ion: 43 Resp: 1021
Ion Ratio Lower Upper
43 100
74 23.9 22.2 33.2

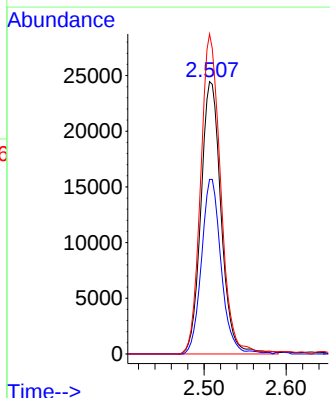
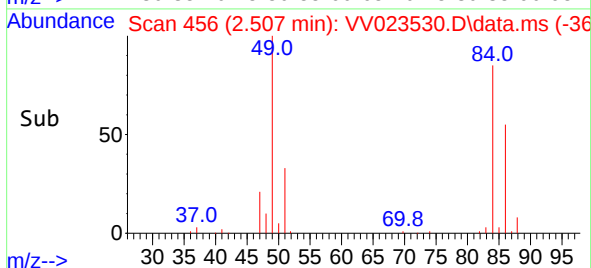
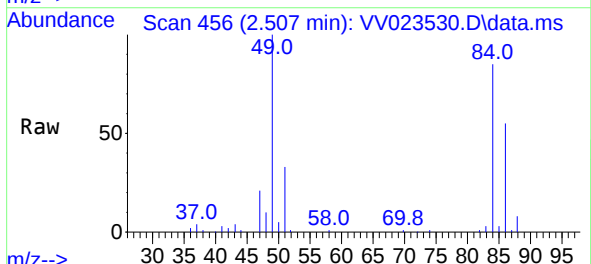
Manual Integrations
APPROVED

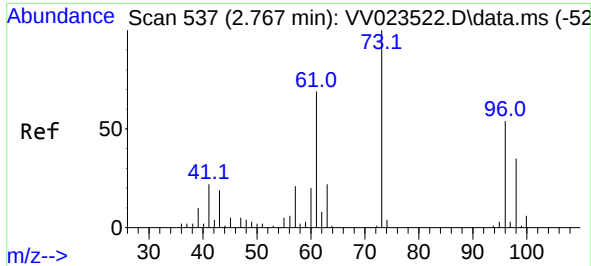
Reviewed By :John Carlone 11/17/2021
Supervised By :Mahesh Dadoda 11/18/2021



#16
Methylene chloride
Concen: 3.723 ug/L
RT: 2.507 min Scan# 456
Delta R.T. 0.000 min
Lab File: VV023530.D
Acq: 16 Nov 2021 13:36

Tgt Ion: 84 Resp: 41731
Ion Ratio Lower Upper
84 100
86 64.1 42.3 78.5
49 117.5 79.7 148.1





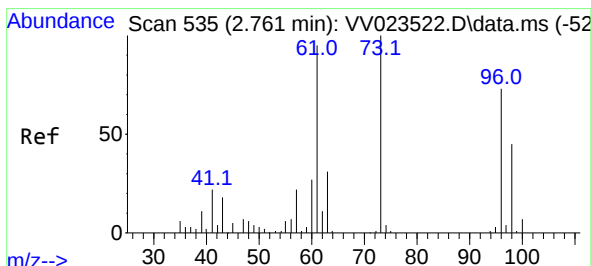
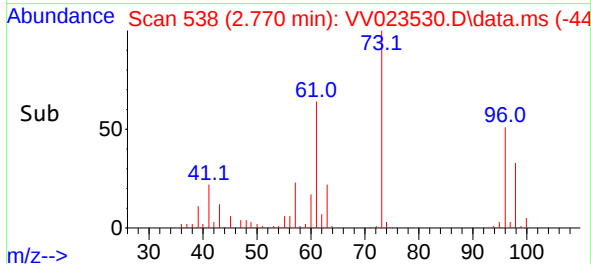
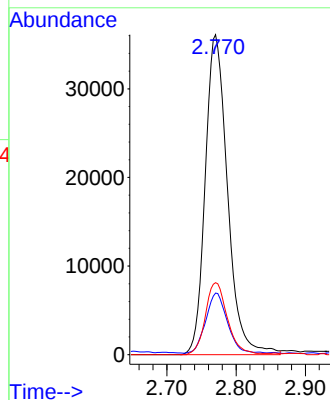
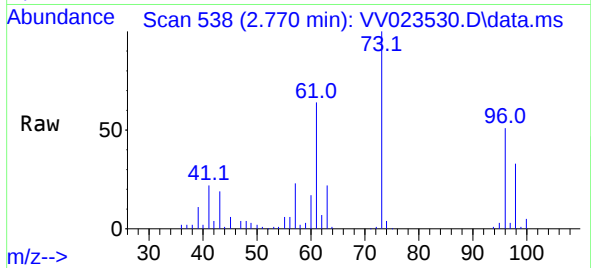
#17
Methyl tert-butyl Ether
Concen: 4.775 ug/L
RT: 2.770 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV023530.D
Acq: 16 Nov 2021 13:36

Instrument :
MSVOA_V
ClientSampleId :
GB8J9MSD

Tgt Ion: 73 Resp: 80728
Ion Ratio Lower Upper
73 100
43 18.0 17.4 26.0
57 22.3 16.5 24.7

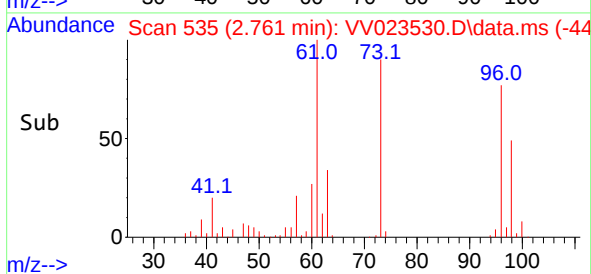
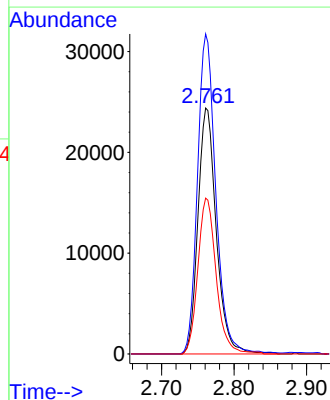
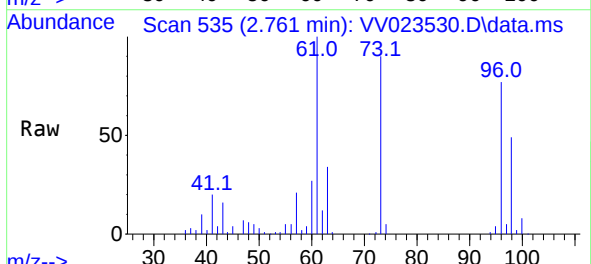
Manual Integrations
APPROVED

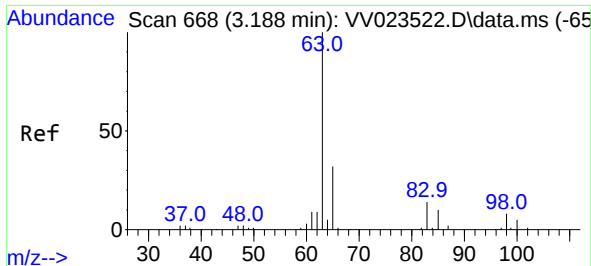
Reviewed By :John Carlone 11/17/2021
Supervised By :Mahesh Dadoda 11/18/2021



#18
trans-1,2-Dichloroethene
Concen: 4.544 ug/L
RT: 2.761 min Scan# 535
Delta R.T. 0.000 min
Lab File: VV023530.D
Acq: 16 Nov 2021 13:36

Tgt Ion: 96 Resp: 42905
Ion Ratio Lower Upper
96 100
61 130.1 93.2 173.2
98 63.4 47.0 87.2





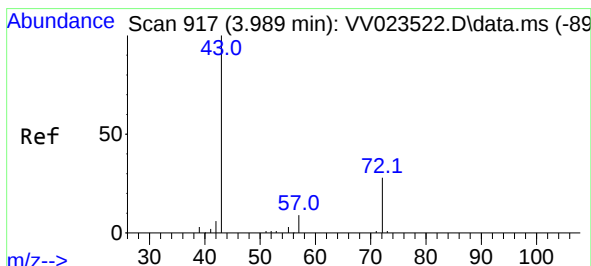
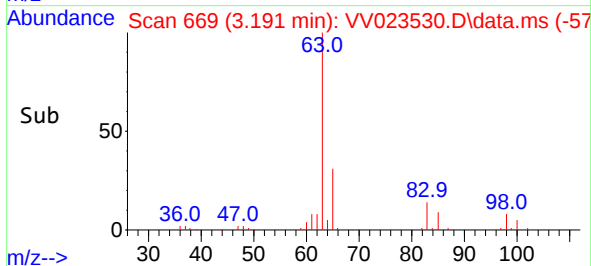
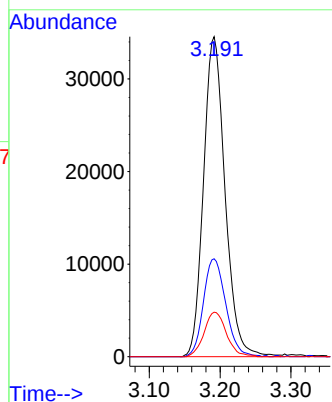
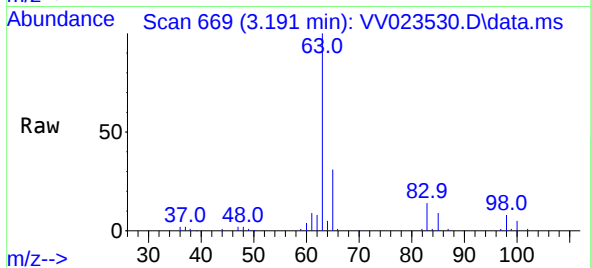
#19
1,1-Dichloroethane
Concen: 4.572 ug/L
RT: 3.191 min Scan# 60
Delta R.T. 0.003 min
Lab File: VV023530.D
Acq: 16 Nov 2021 13:36

Instrument :
MSVOA_V
ClientSampleId :
GB8J9MSD

Tgt Ion: 63 Resp: 7288
Ion Ratio Lower Upper
63 100
65 30.6 22.6 42.0
83 13.9 11.1 20.7

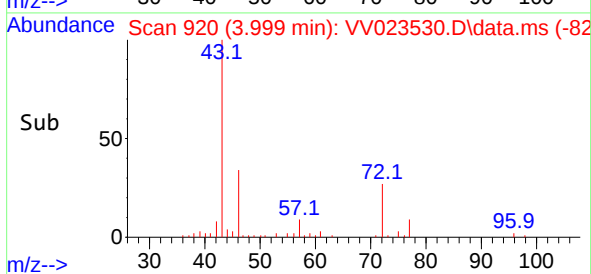
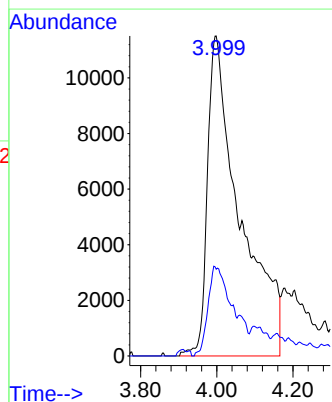
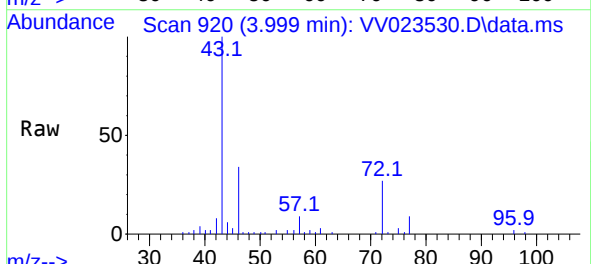
Manual Integrations
APPROVED

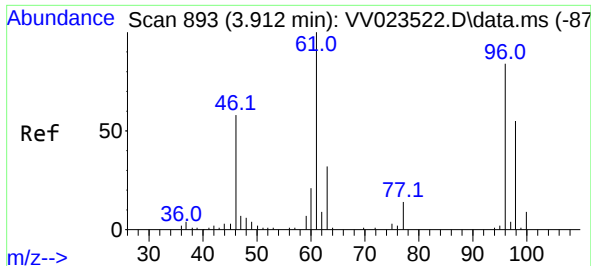
Reviewed By :John Carlone 11/17/2021
Supervised By :Mahesh Dadoda 11/18/2021



#21
2-Butanone
Concen: 49.649 ug/L m
RT: 3.999 min Scan# 920
Delta R.T. 0.010 min
Lab File: VV023530.D
Acq: 16 Nov 2021 13:36

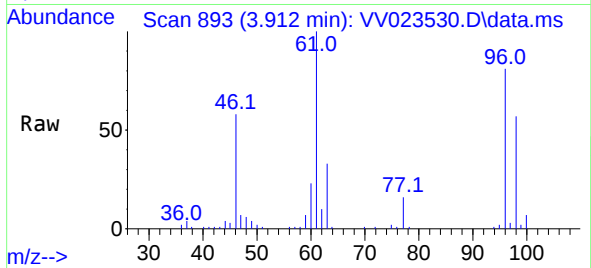
Tgt Ion: 43 Resp: 68177
Ion Ratio Lower Upper
43 100
72 18.2 11.9 35.9





#22
cis-1,2-Dichloroethene
Concen: 4.614 ug/L
RT: 3.912 min Scan# 893
Delta R.T. 0.000 min
Lab File: VV023530.D
Acq: 16 Nov 2021 13:36

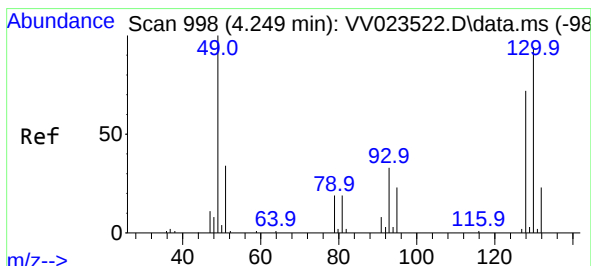
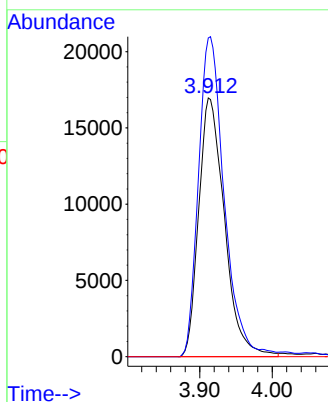
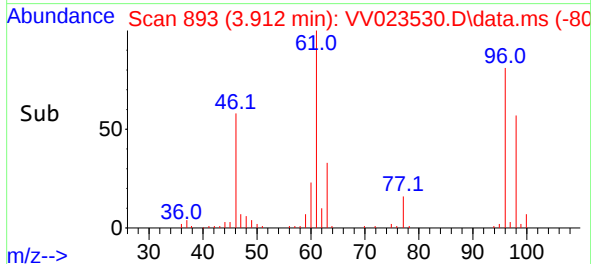
Instrument :
MSVOA_V
ClientSampleId :
GB8J9MSD



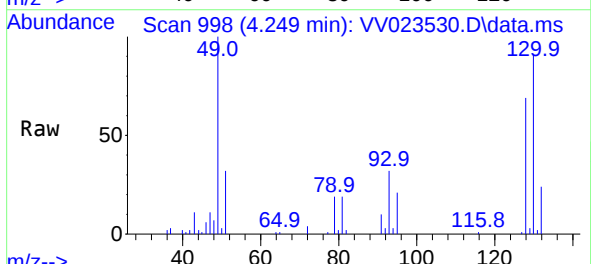
Tgt Ion: 96 Resp: 41919
Ion Ratio Lower Upper
96 100
61 123.2 92.3 171.3
68 0.0 0.4 0.8

Manual Integrations
APPROVED

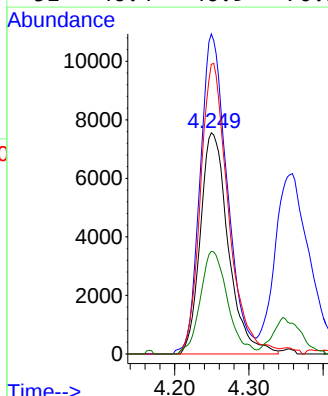
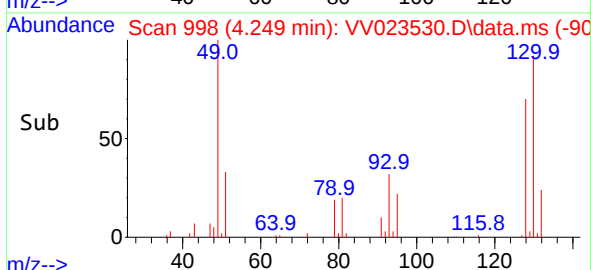
Reviewed By :John Carlone 11/17/2021
Supervised By :Mahesh Dadoda 11/18/2021

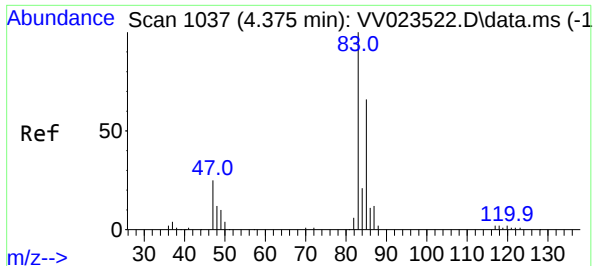


#23
Bromochloromethane
Concen: 4.707 ug/L
RT: 4.249 min Scan# 998
Delta R.T. 0.000 min
Lab File: VV023530.D
Acq: 16 Nov 2021 13:36



Tgt Ion:128 Resp: 19720
Ion Ratio Lower Upper
128 100
49 144.7 126.1 234.3
130 131.0 95.2 176.8
51 46.4 46.9 70.3





#25

Chloroform

Concen: 4.837 ug/L

RT: 4.375 min Scan# 1037

Delta R.T. 0.000 min

Lab File: VV023530.D

Acq: 16 Nov 2021 13:36

Instrument :

MSVOA_V

ClientSampleId :

GB8J9MSD

Tgt Ion: 83 Resp: 82189

Ion Ratio Lower Upper

83 100

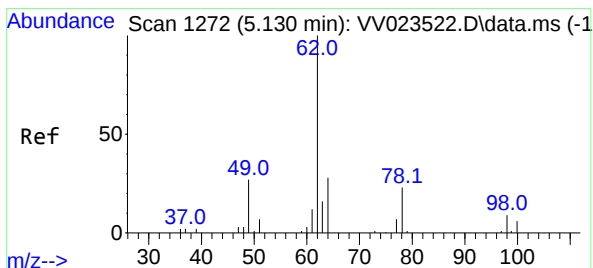
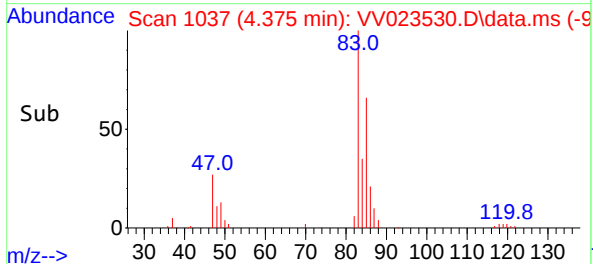
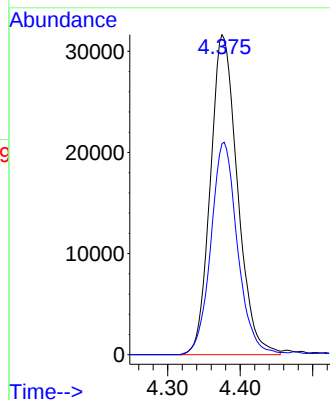
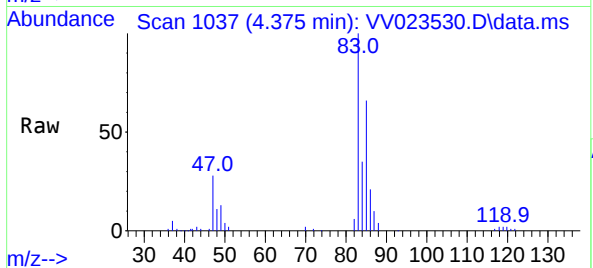
85 65.9 46.8 86.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/17/2021

Supervised By :Mahesh Dadoda 11/18/2021



#27

1,2-Dichloroethane

Concen: 4.623 ug/L

RT: 5.134 min Scan# 1273

Delta R.T. 0.003 min

Lab File: VV023530.D

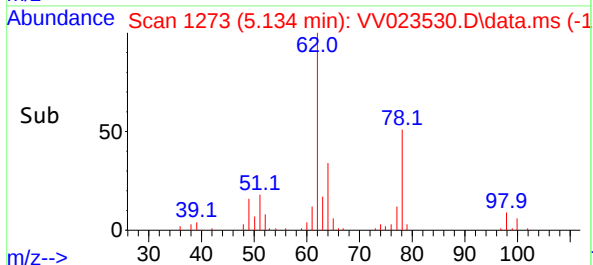
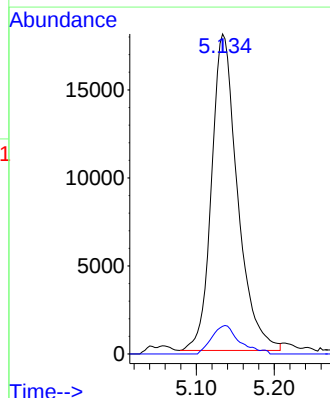
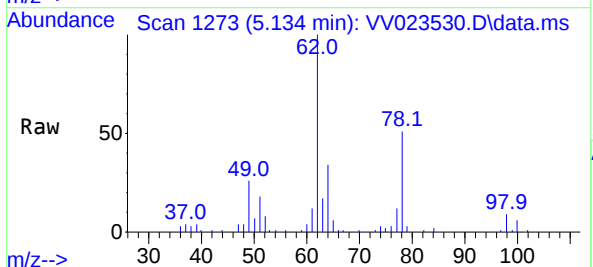
Acq: 16 Nov 2021 13:36

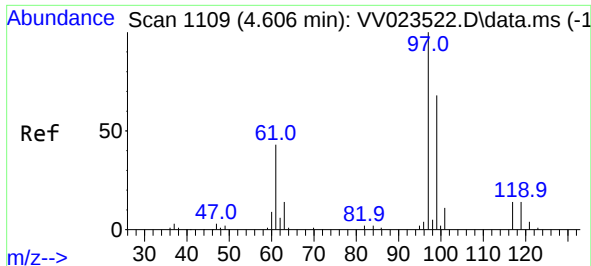
Tgt Ion: 62 Resp: 41784

Ion Ratio Lower Upper

62 100

98 8.6 8.2 12.4





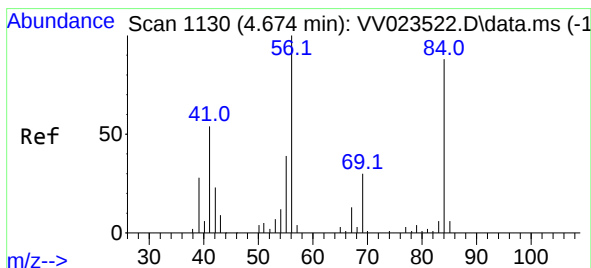
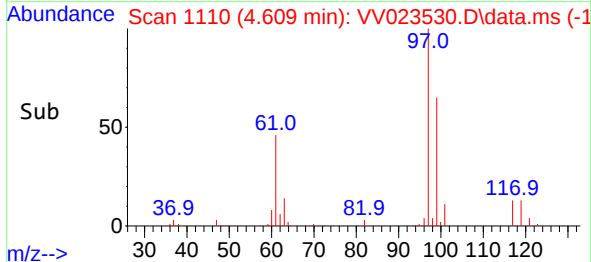
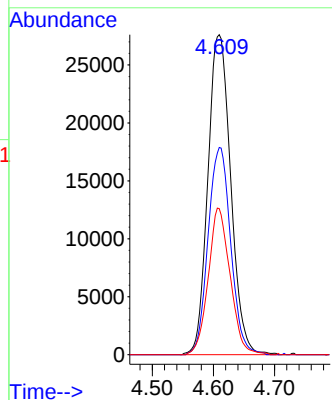
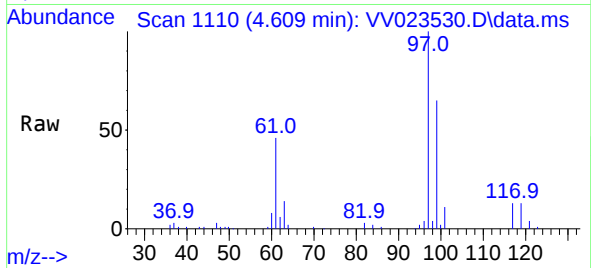
#29
1,1,1-Trichloroethane
Concen: 4.686 ug/L
RT: 4.609 min Scan# 1109
Delta R.T. 0.003 min
Lab File: VV023530.D
Acq: 16 Nov 2021 13:36

Instrument :
MSVOA_V
ClientSampleId :
GB8J9MSD

Tgt Ion: 97 Resp: 7183
Ion Ratio Lower Upper
97 100
99 64.1 51.0 76.4
61 43.8 34.1 51.1

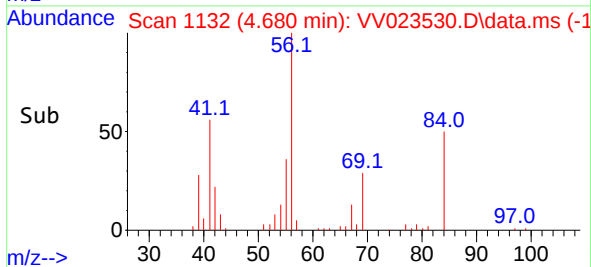
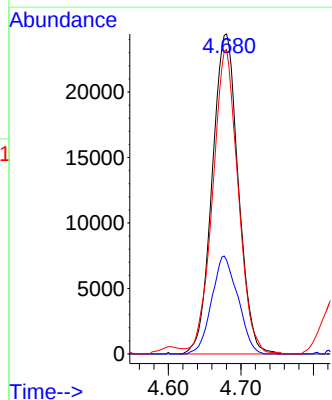
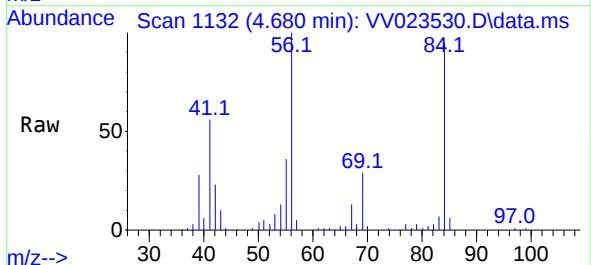
Manual Integrations
APPROVED

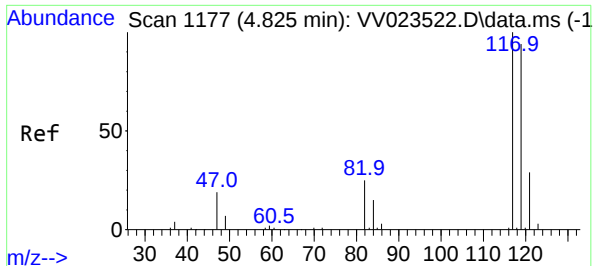
Reviewed By :John Carlone 11/17/2021
Supervised By :Mahesh Dadoda 11/18/2021



#30
Cyclohexane
Concen: 4.441 ug/L
RT: 4.680 min Scan# 1132
Delta R.T. 0.006 min
Lab File: VV023530.D
Acq: 16 Nov 2021 13:36

Tgt Ion: 56 Resp: 61006
Ion Ratio Lower Upper
56 100
69 30.7 23.5 35.3
84 92.3 71.6 107.4





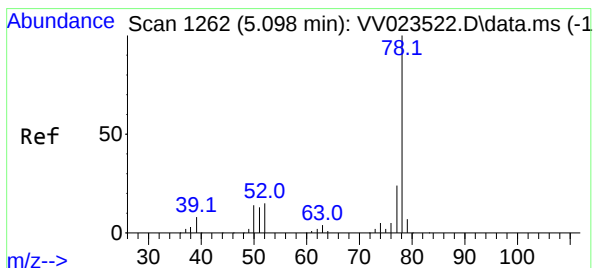
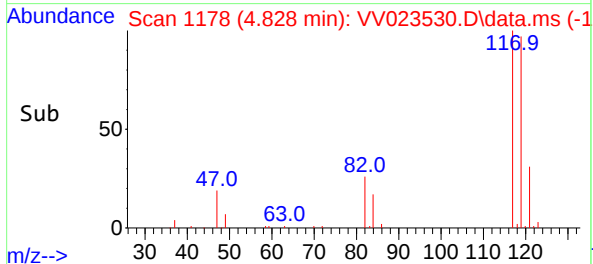
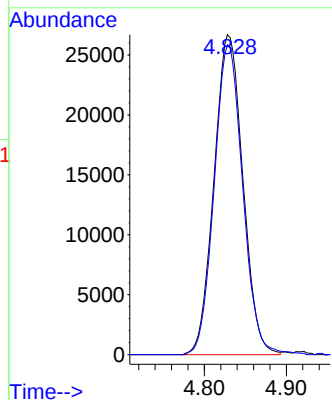
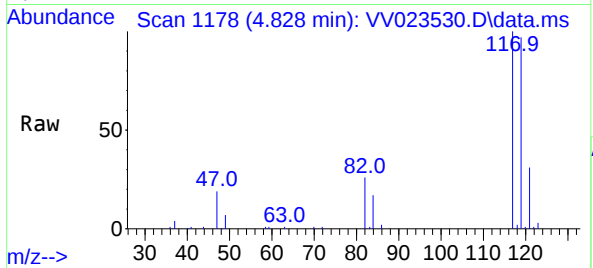
#31
Carbon tetrachloride
Concen: 4.735 ug/L
RT: 4.828 min Scan# 1177
Delta R.T. 0.003 min
Lab File: VV023530.D
Acq: 16 Nov 2021 13:36

Instrument :
MSVOA_V
ClientSampleId :
GB8J9MSD

Tgt Ion:117 Resp: 65189
Ion Ratio Lower Upper
117 100
119 95.7 78.8 118.2

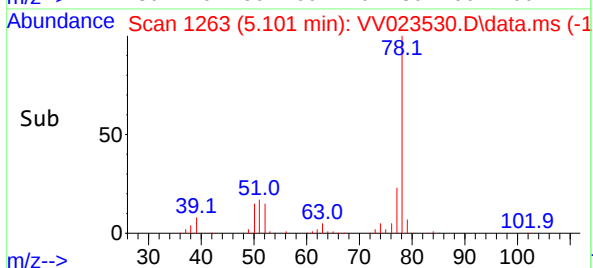
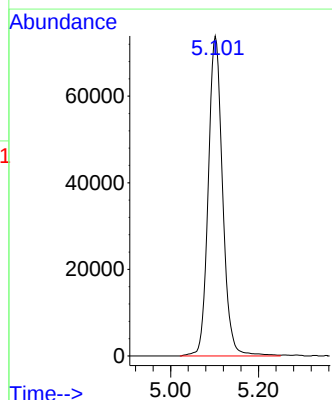
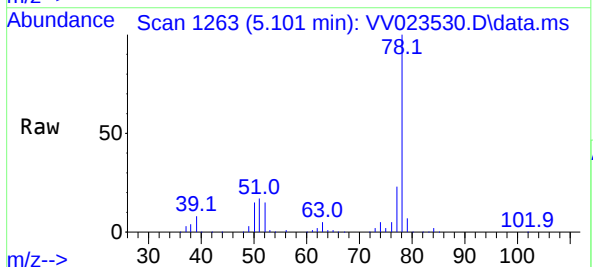
Manual Integrations
APPROVED

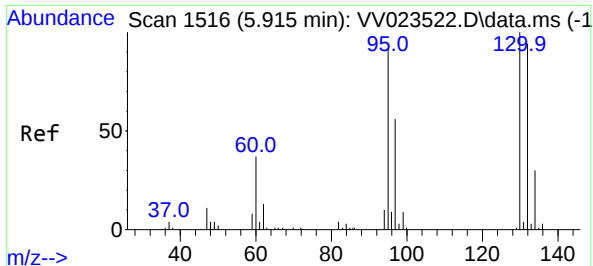
Reviewed By :John Carlone 11/17/2021
Supervised By :Mahesh Dadoda 11/18/2021



#33
Benzene
Concen: 4.751 ug/L
RT: 5.101 min Scan# 1263
Delta R.T. 0.003 min
Lab File: VV023530.D
Acq: 16 Nov 2021 13:36

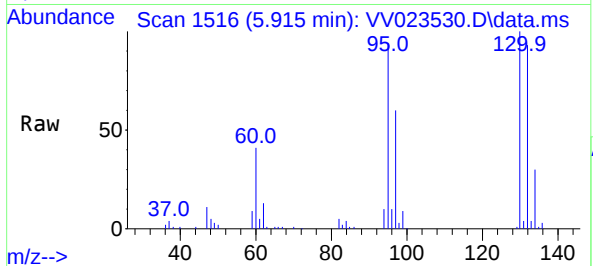
Tgt Ion: 78 Resp: 167599





#34
Trichloroethene
Concen: 4.674 ug/L
RT: 5.915 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VV023530.D
Acq: 16 Nov 2021 13:36

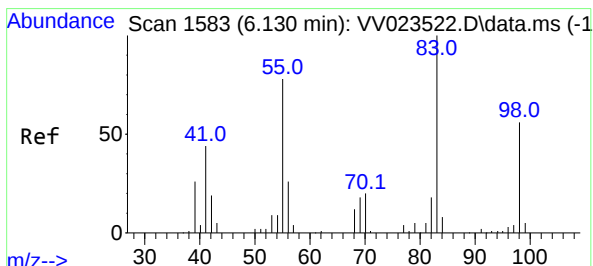
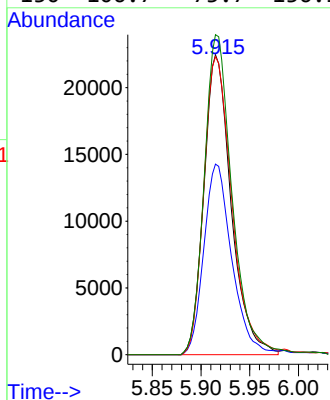
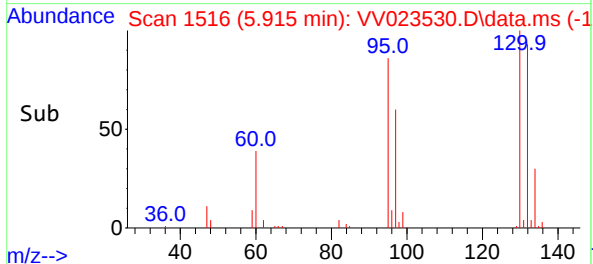
Instrument :
MSVOA_V
ClientSampleId :
GB8J9MSD



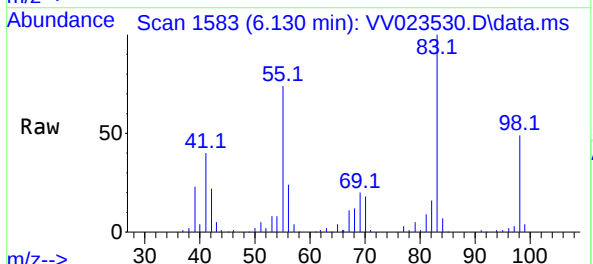
Tgt Ion: 95 Resp: 4385
Ion Ratio Lower Upper
95 100
97 63.6 45.0 83.6
132 99.4 69.7 129.4
130 106.7 73.7 136.9

Manual Integrations
APPROVED

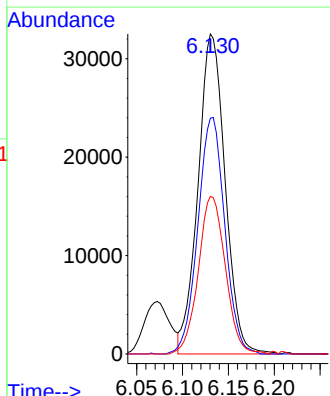
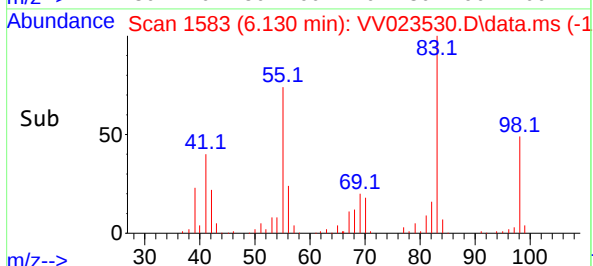
Reviewed By :John Carlone 11/17/2021
Supervised By :Mahesh Dadoda 11/18/2021

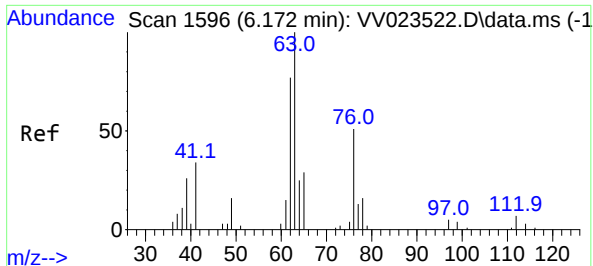


#35
Methylcyclohexane
Concen: 4.514 ug/L
RT: 6.130 min Scan# 1583
Delta R.T. 0.000 min
Lab File: VV023530.D
Acq: 16 Nov 2021 13:36



Tgt Ion: 83 Resp: 66840
Ion Ratio Lower Upper
83 100
55 73.3 62.8 94.2
98 49.2 37.9 56.9





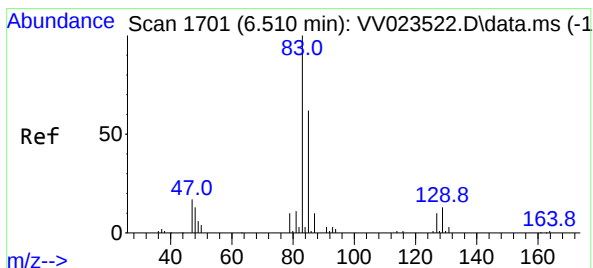
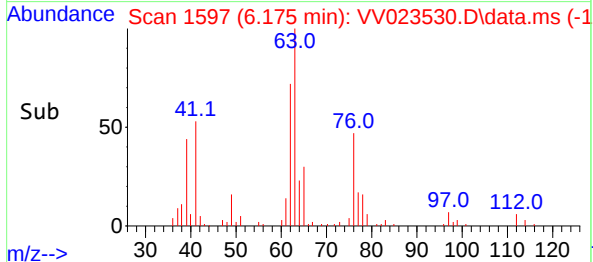
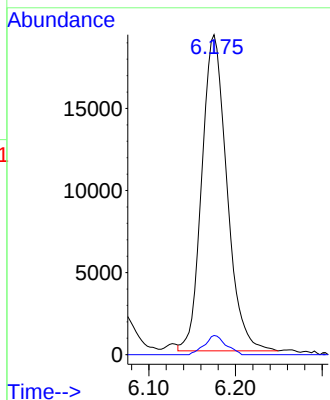
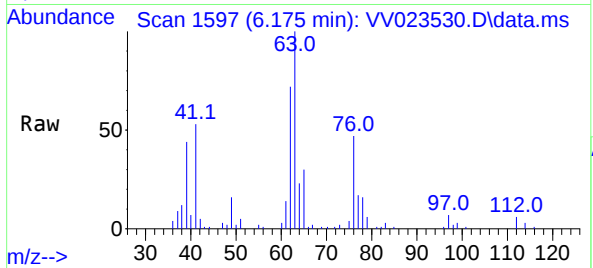
#37
1,2-Dichloropropane
Concen: 4.711 ug/L
RT: 6.175 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV023530.D
Acq: 16 Nov 2021 13:36

Instrument :
MSVOA_V
ClientSampleId :
GB8J9MSD

Tgt Ion: 63 Resp: 3880
Ion Ratio Lower Upper
63 100
112 5.2 4.6 6.8

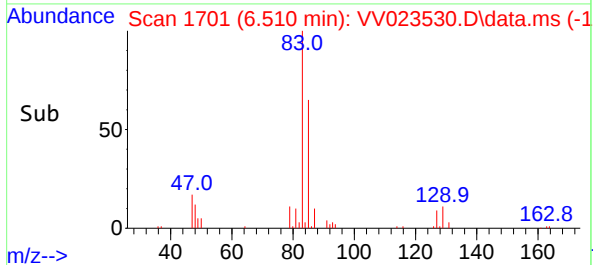
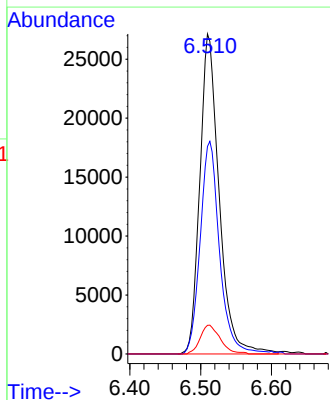
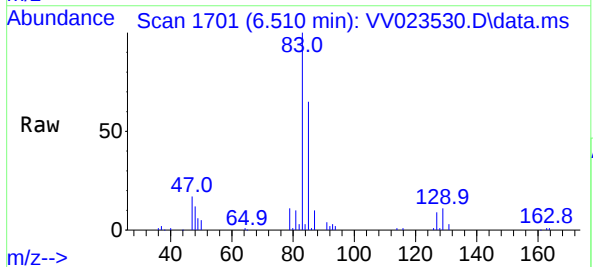
Manual Integrations
APPROVED

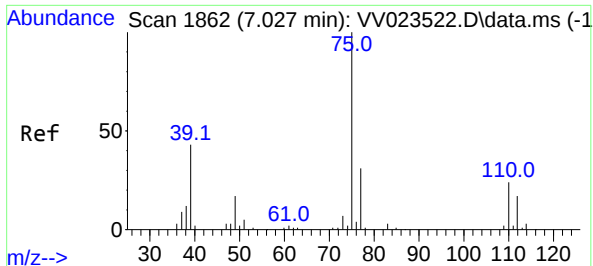
Reviewed By :John Carlone 11/17/2021
Supervised By :Mahesh Dadoda 11/18/2021



#38
Bromodichloromethane
Concen: 4.653 ug/L
RT: 6.510 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VV023530.D
Acq: 16 Nov 2021 13:36

Tgt Ion: 83 Resp: 51360
Ion Ratio Lower Upper
83 100
85 64.8 46.1 85.7
127 8.9 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 4.762 ug/L

RT: 7.031 min Scan# 1863

Delta R.T. 0.003 min

Lab File: VV023530.D

Acq: 16 Nov 2021 13:36

Instrument :

MSVOA_V

ClientSampleId :

GB8J9MSD

Tgt Ion: 75 Resp: 5641

Ion Ratio Lower Upper

75 100

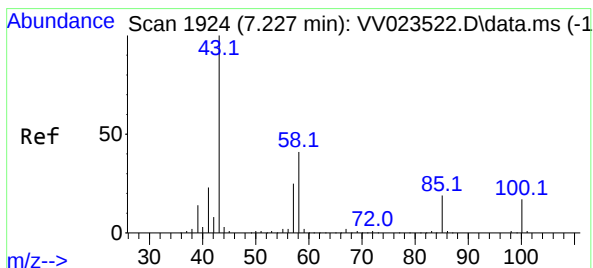
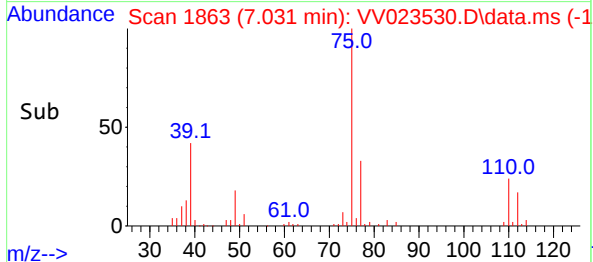
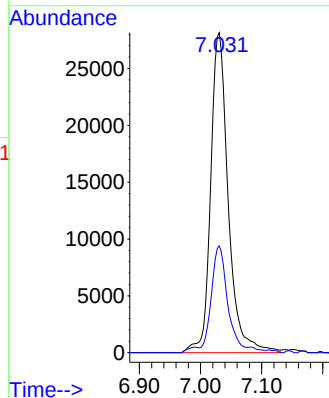
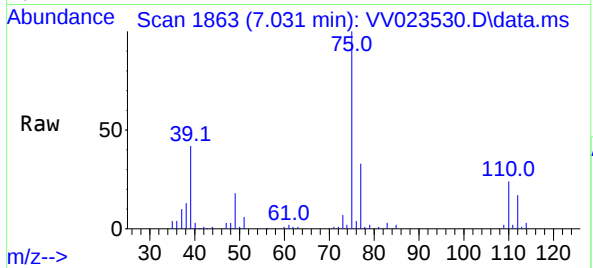
77 33.4 21.6 40.2

Manual Integrations

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Reviewed By :John Carlone 11/17/2021

Supervised By :Mahesh Dadoda 11/18/2021



#40

4-Methyl-2-pentanone

Concen: 53.568 ug/L

RT: 7.230 min Scan# 1925

Delta R.T. 0.003 min

Lab File: VV023530.D

Acq: 16 Nov 2021 13:36

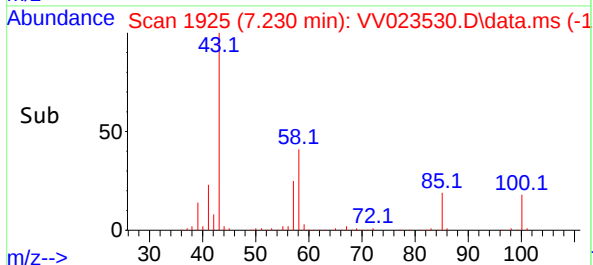
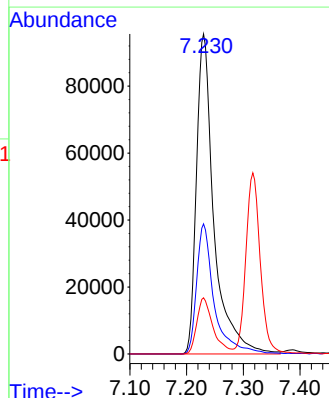
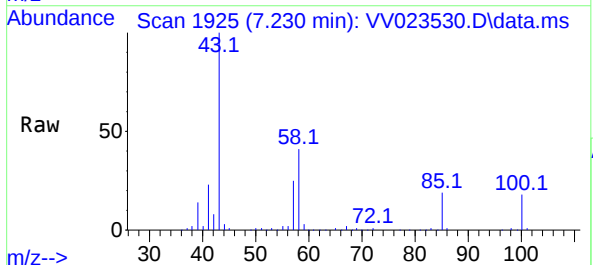
Tgt Ion: 43 Resp: 204618

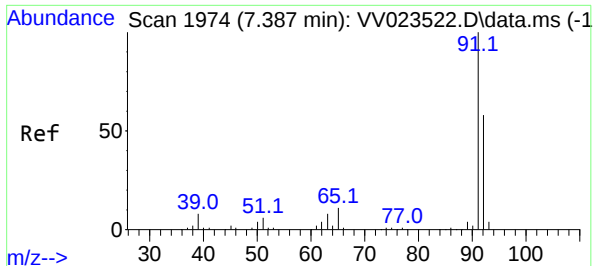
Ion Ratio Lower Upper

43 100

58 40.7 31.1 46.7

100 16.4 12.6 19.0





#42

Toluene

Concen: 4.965 ug/L

RT: 7.387 min Scan# 1974

Delta R.T. 0.000 min

Lab File: VV023530.D

Acq: 16 Nov 2021 13:36

Instrument :

MSVOA_V

ClientSampleId :

GB8J9MSD

Tgt Ion: 91 Resp: 187330

Ion Ratio Lower Upper

91 100

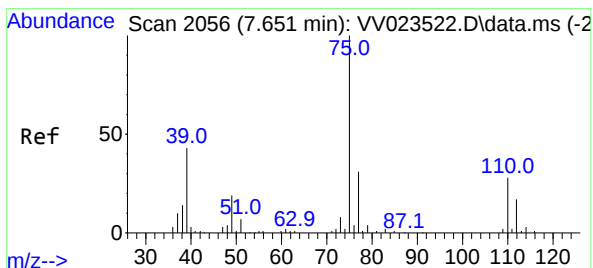
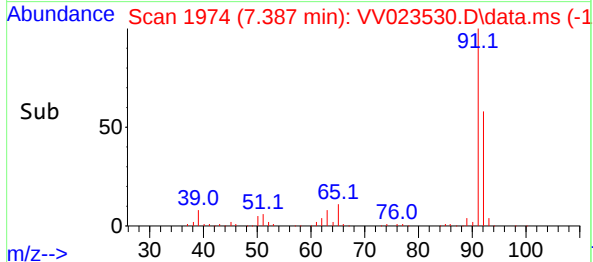
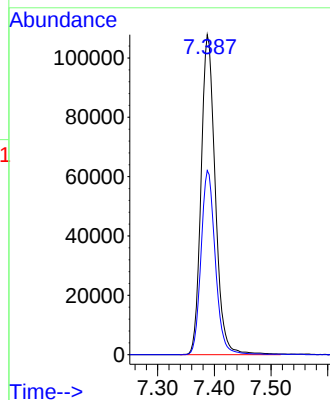
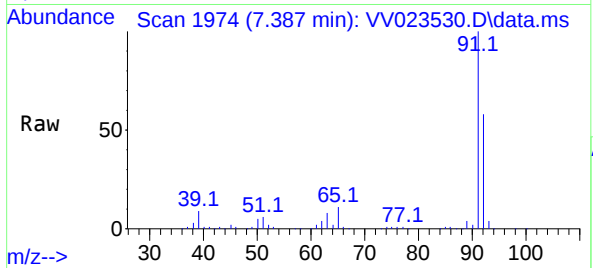
92 57.5 39.3 72.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/17/2021

Supervised By :Mahesh Dadoda 11/18/2021



#44

trans-1,3-Dichloropropene

Concen: 4.850 ug/L

RT: 7.651 min Scan# 2056

Delta R.T. 0.000 min

Lab File: VV023530.D

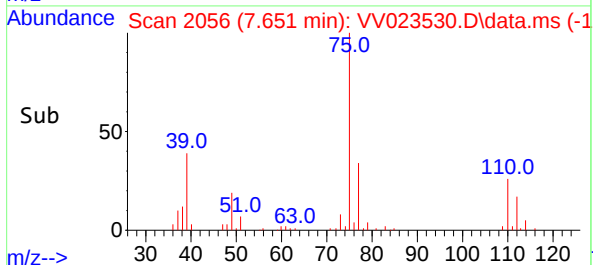
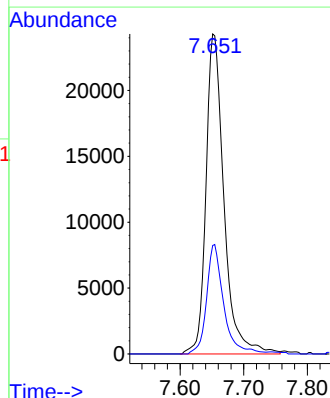
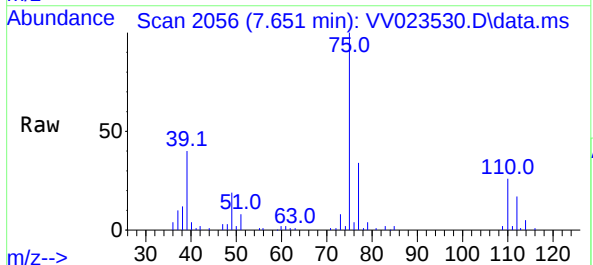
Acq: 16 Nov 2021 13:36

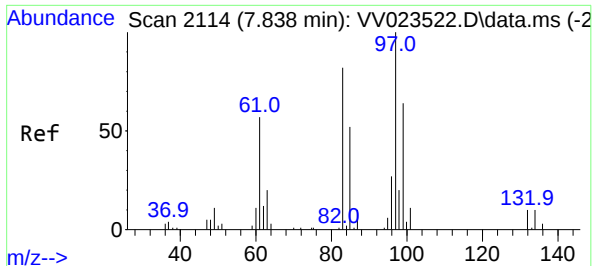
Tgt Ion: 75 Resp: 47673

Ion Ratio Lower Upper

75 100

77 33.9 22.5 41.7





#45

1,1,2-Trichloroethane

Concen: 4.746 ug/L

RT: 7.841 min Scan# 2114

Delta R.T. 0.003 min

Lab File: VV023530.D

Acq: 16 Nov 2021 13:36

Instrument :

MSVOA_V

ClientSampleId :

GB8J9MSD

Tgt Ion: 97 Resp: 2808

Ion Ratio Lower Upper

97 100

99 62.4 43.6 81.0

83 81.1 58.4 108.4

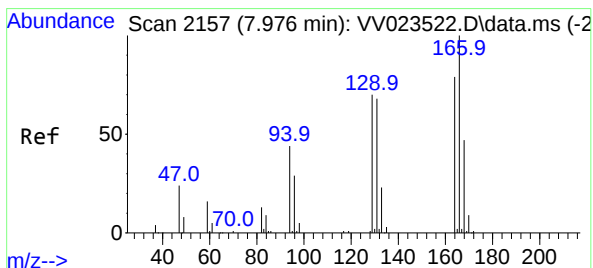
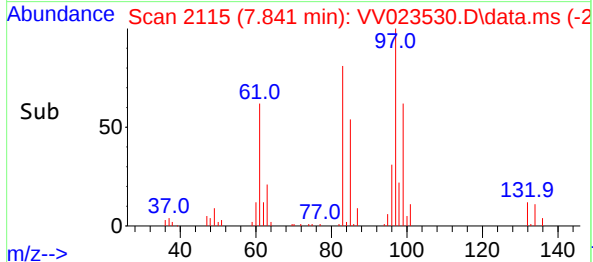
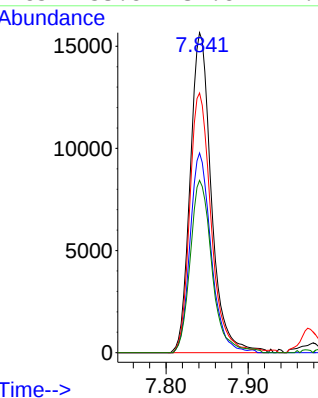
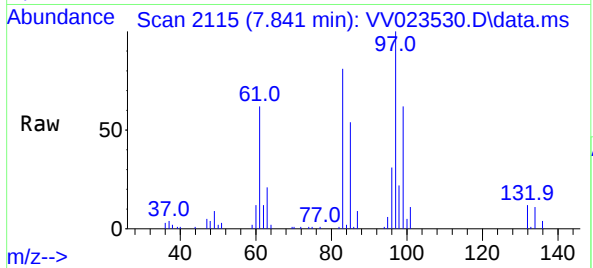
85 53.8 39.8 74.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/17/2021

Supervised By :Mahesh Dadoda 11/18/2021



#47

Tetrachloroethene

Concen: 9.347 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. 0.000 min

Lab File: VV023530.D

Acq: 16 Nov 2021 13:36

Tgt Ion:164 Resp: 75994

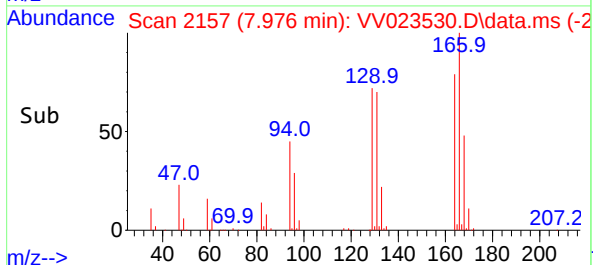
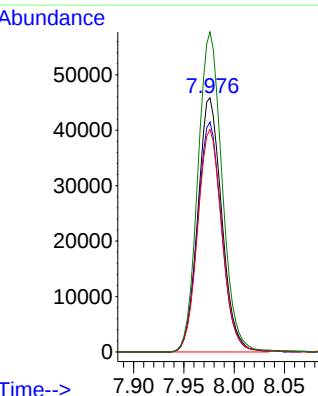
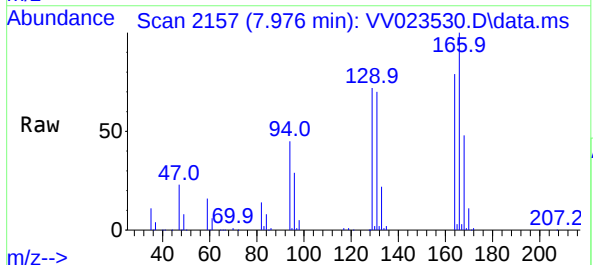
Ion Ratio Lower Upper

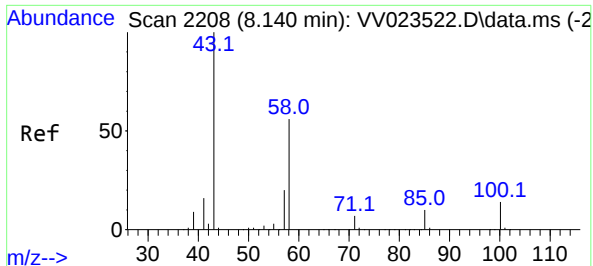
164 100

129 90.4 64.0 119.0

131 87.5 63.4 117.8

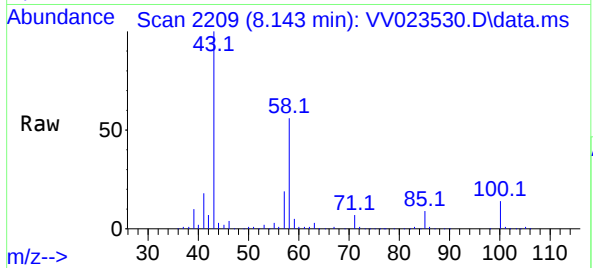
166 125.9 89.3 165.9





#48
2-Hexanone
Concen: 55.377 ug/L
RT: 8.143 min Scan# 2209
Delta R.T. 0.003 min
Lab File: VV023530.D
Acq: 16 Nov 2021 13:36

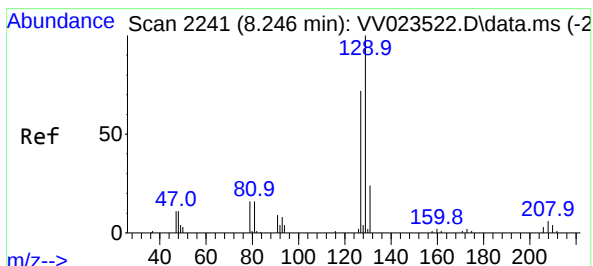
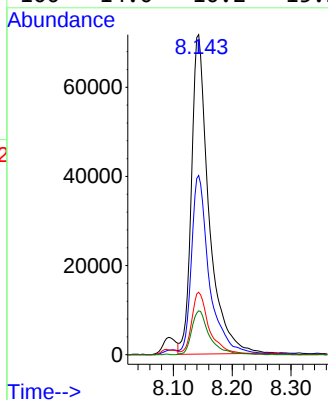
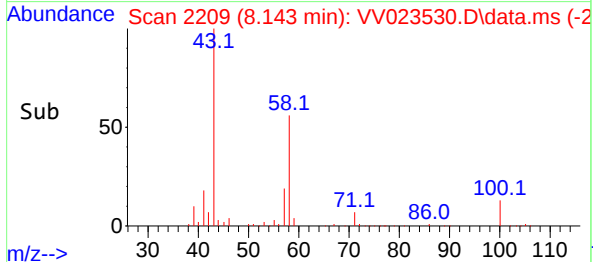
Instrument :
MSVOA_V
ClientSampleId :
GB8J9MSD



Tgt Ion: 43 Resp: 14822
Ion Ratio Lower Upper
43 100
58 56.7 43.7 65.5
57 19.4 14.1 21.1
100 14.0 10.2 15.2

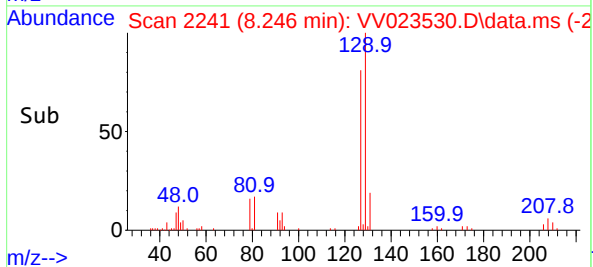
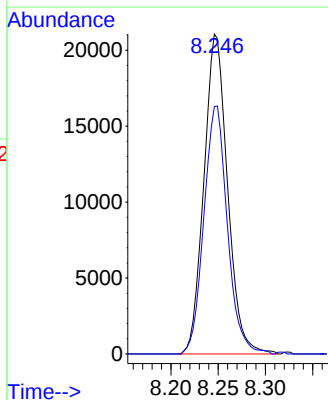
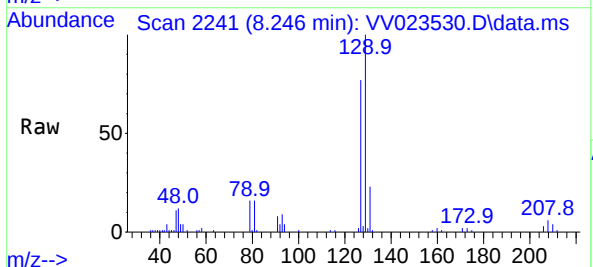
Manual Integrations
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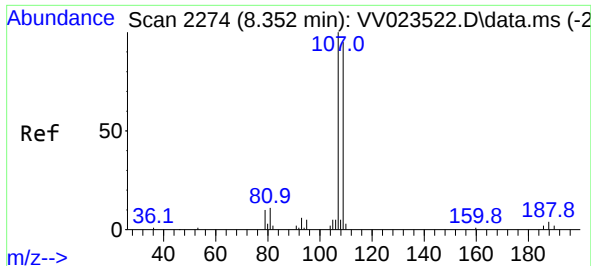
Reviewed By :John Carlone 11/17/2021
Supervised By :Mahesh Dadoda 11/18/2021



#49
Dibromochloromethane
Concen: 4.893 ug/L
RT: 8.246 min Scan# 2241
Delta R.T. 0.000 min
Lab File: VV023530.D
Acq: 16 Nov 2021 13:36

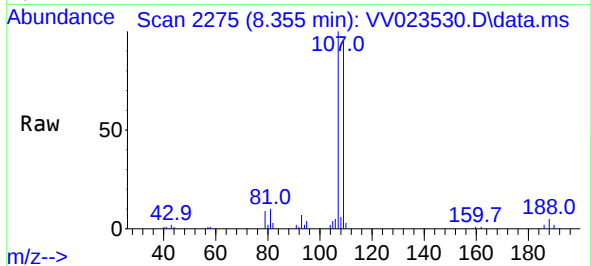
Tgt Ion:129 Resp: 36687
Ion Ratio Lower Upper
129 100
127 77.3 54.7 101.7





#50
1,2-Dibromoethane
Concen: 4.833 ug/L
RT: 8.355 min Scan# 2107
Delta R.T. 0.003 min
Lab File: VV023530.D
Acq: 16 Nov 2021 13:36

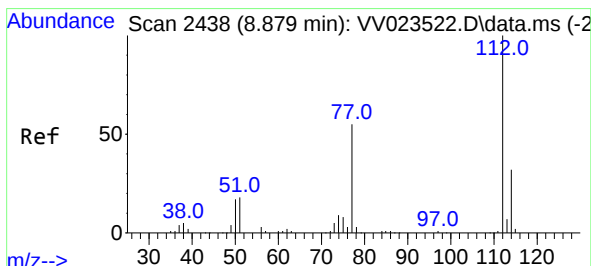
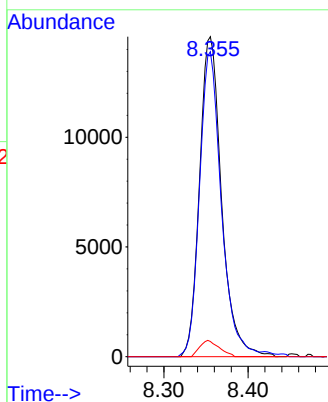
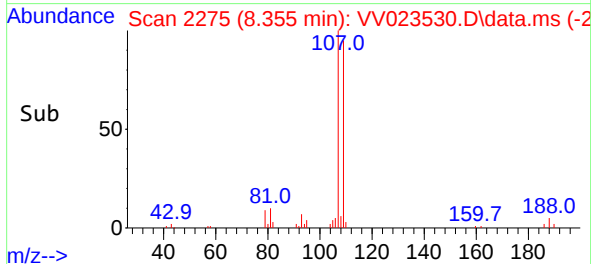
Instrument :
MSVOA_V
ClientSampleId :
GB8J9MSD



Tgt Ion:107 Resp: 2650
Ion Ratio Lower Upper
107 100
109 95.3 64.7 120.1
188 4.7 3.6 5.4

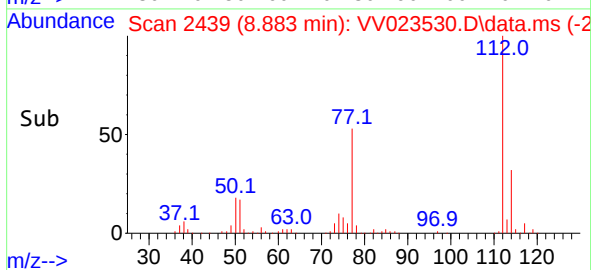
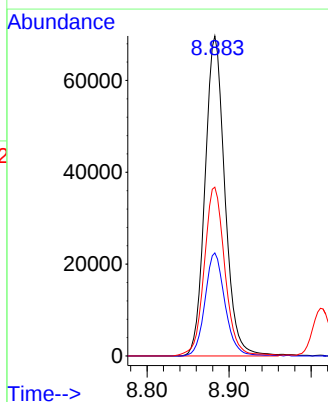
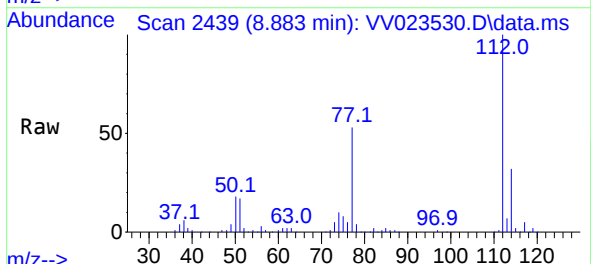
Manual Integrations
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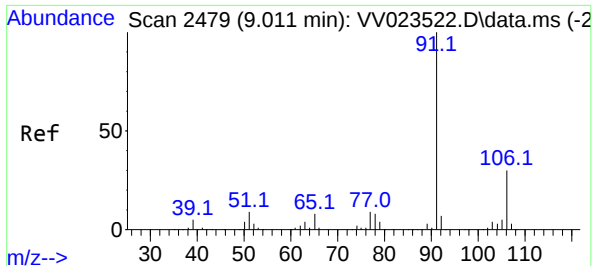
Reviewed By :John Carlone 11/17/2021
Supervised By :Mahesh Dadoda 11/18/2021



#51
Chlorobenzene
Concen: 4.667 ug/L
RT: 8.883 min Scan# 2439
Delta R.T. 0.003 min
Lab File: VV023530.D
Acq: 16 Nov 2021 13:36

Tgt Ion:112 Resp: 117059
Ion Ratio Lower Upper
112 100
114 32.2 22.0 40.8
77 52.8 44.4 66.6





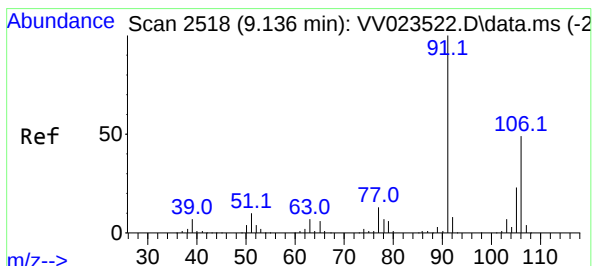
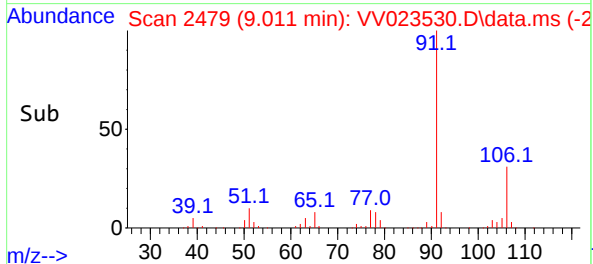
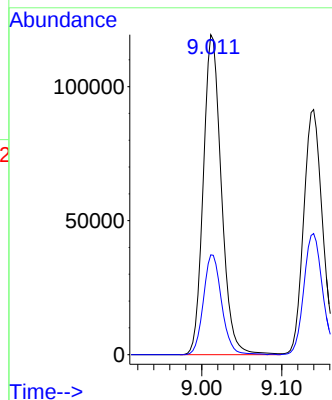
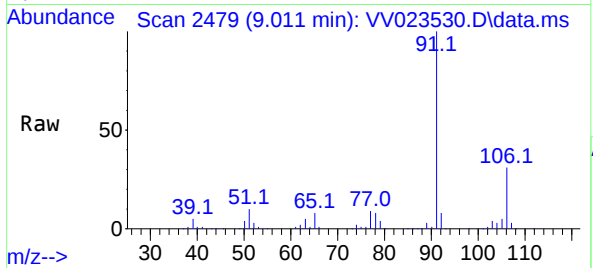
#52
Ethylbenzene
Concen: 4.728 ug/L
RT: 9.011 min Scan# 2479
Delta R.T. 0.000 min
Lab File: VV023530.D
Acq: 16 Nov 2021 13:36

Instrument :
MSVOA_V
ClientSampleId :
GB8J9MSD

Tgt Ion: 91 Resp: 188170
Ion Ratio Lower Upper
91 100
106 31.2 22.5 41.9

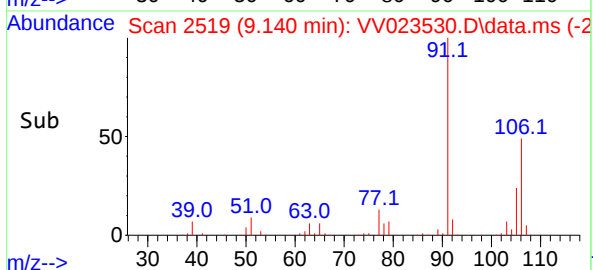
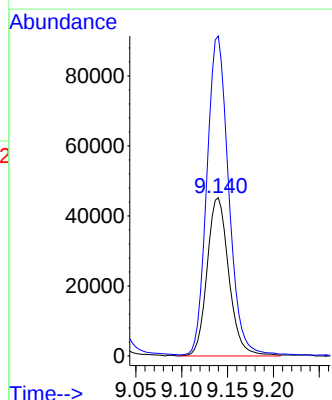
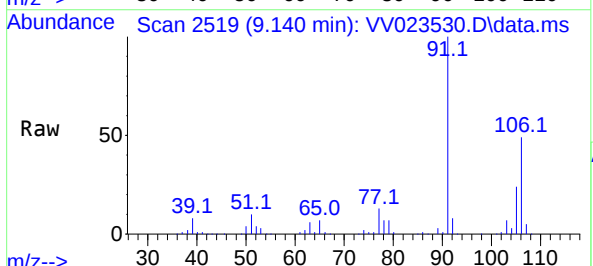
Manual Integrations
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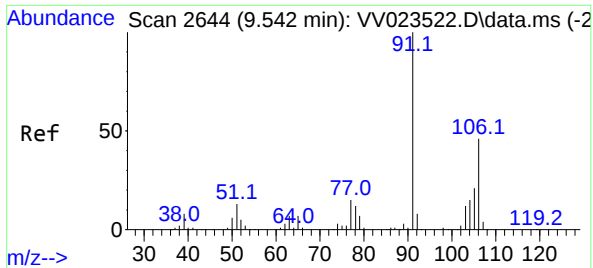
Reviewed By :John Carlone 11/17/2021
Supervised By :Mahesh Dadoda 11/18/2021



#53
m,p-xylene
Concen: 4.778 ug/L
RT: 9.140 min Scan# 2519
Delta R.T. 0.003 min
Lab File: VV023530.D
Acq: 16 Nov 2021 13:36

Tgt Ion:106 Resp: 74624
Ion Ratio Lower Upper
106 100
91 202.2 137.2 254.8





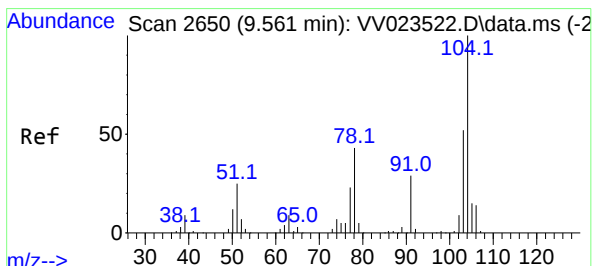
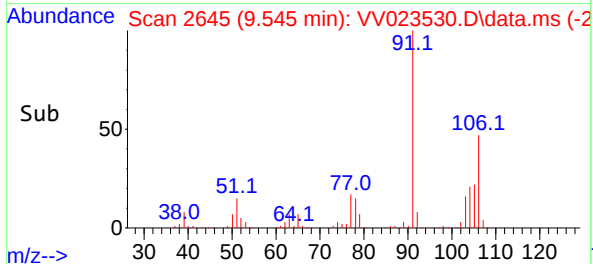
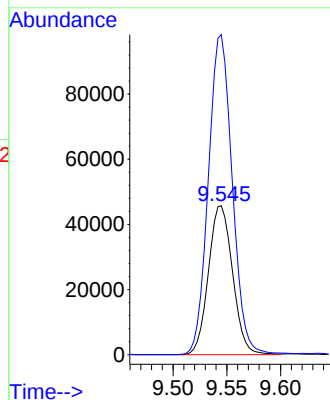
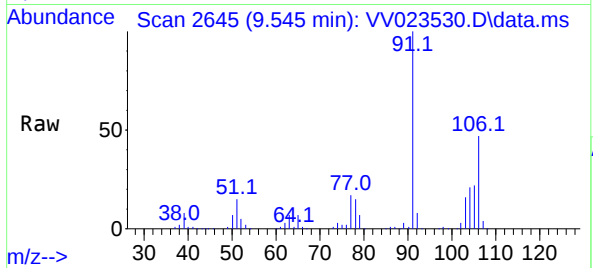
#54
o-xylene
Concen: 4.883 ug/L
RT: 9.545 min Scan# 2645
Delta R.T. 0.003 min
Lab File: VV023530.D
Acq: 16 Nov 2021 13:36

Instrument :
MSVOA_V
ClientSampleId :
GB8J9MSD

Tgt Ion:106 Resp: 71549
Ion Ratio Lower Upper
106 100
91 214.7 148.3 275.5

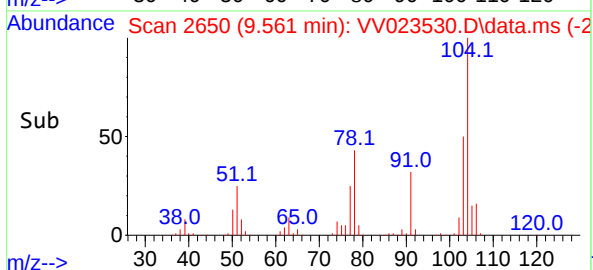
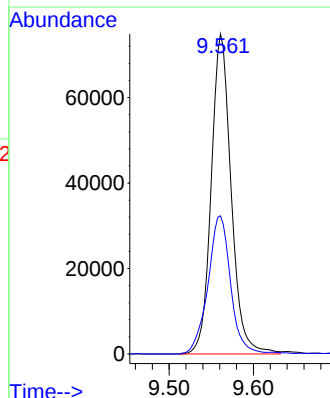
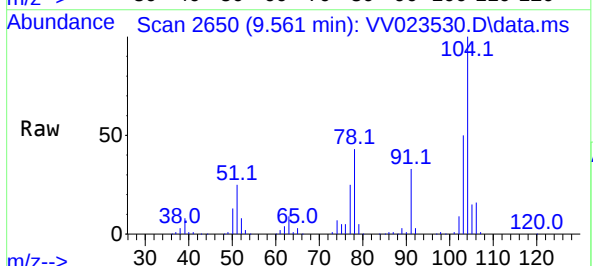
Manual Integrations
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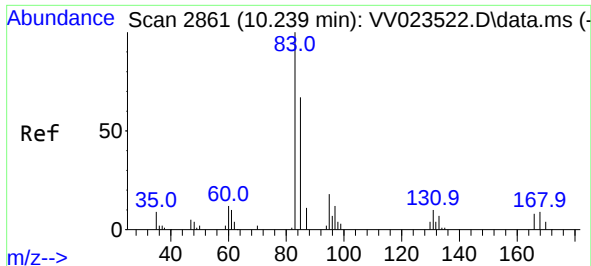
Reviewed By :John Carlone 11/17/2021
Supervised By :Mahesh Dadoda 11/18/2021



#55
Styrene
Concen: 4.903 ug/L
RT: 9.561 min Scan# 2650
Delta R.T. 0.000 min
Lab File: VV023530.D
Acq: 16 Nov 2021 13:36

Tgt Ion:104 Resp: 123071
Ion Ratio Lower Upper
104 100
78 43.2 29.3 54.3





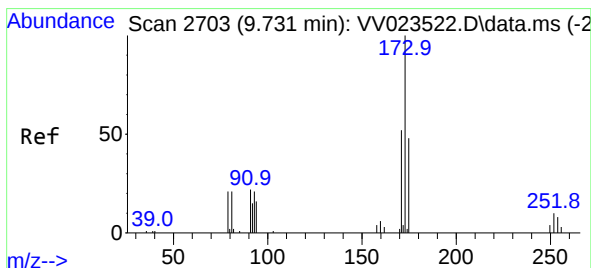
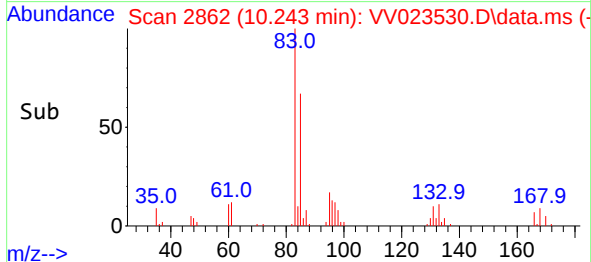
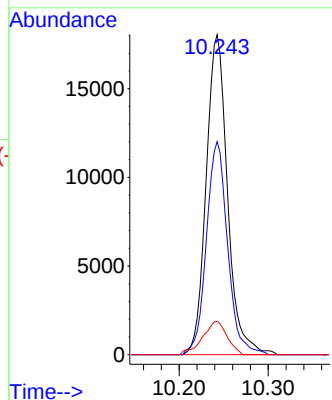
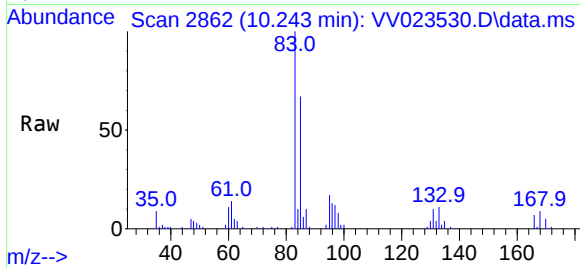
#57
1,1,2,2-Tetrachloroethane
Concen: 4.632 ug/L
RT: 10.243 min Scan# 2861
Delta R.T. 0.003 min
Lab File: VV023530.D
Acq: 16 Nov 2021 13:36

Instrument :
MSVOA_V
ClientSampleId :
GB8J9MSD

Tgt Ion: 83 Resp: 30030
Ion Ratio Lower Upper
83 100
85 66.6 45.1 83.9
131 10.4 7.8 11.6

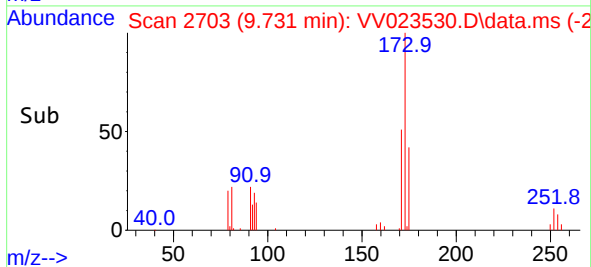
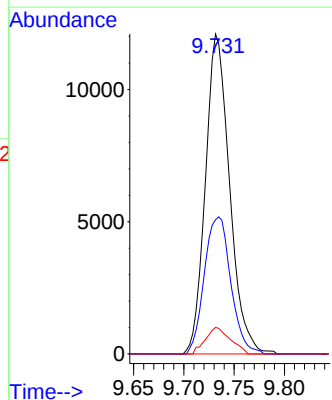
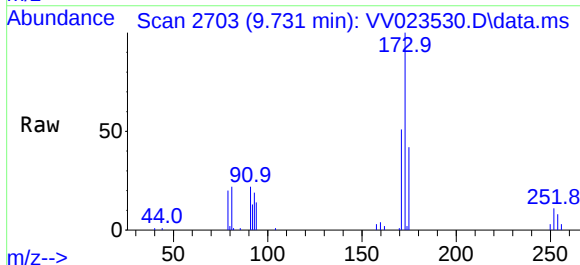
Manual Integrations
APPROVED

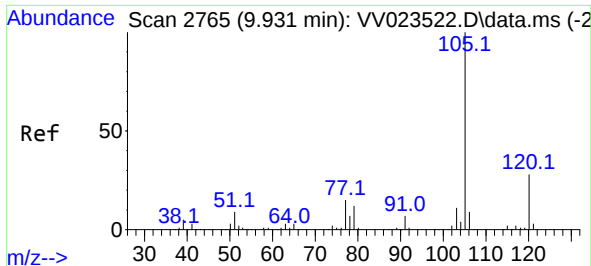
Reviewed By :John Carlone 11/17/2021
Supervised By :Mahesh Dadoda 11/18/2021



#59
Bromoform
Concen: 4.939 ug/L
RT: 9.731 min Scan# 2703
Delta R.T. 0.000 min
Lab File: VV023530.D
Acq: 16 Nov 2021 13:36

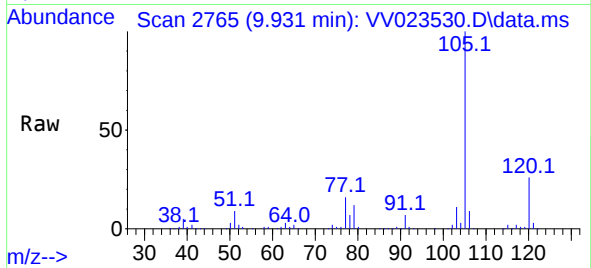
Tgt Ion:173 Resp: 20259
Ion Ratio Lower Upper
173 100
175 46.8 38.2 57.2
254 8.5 6.2 9.2





#60
Isopropylbenzene
Concen: 4.893 ug/L
RT: 9.931 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV023530.D
Acq: 16 Nov 2021 13:36

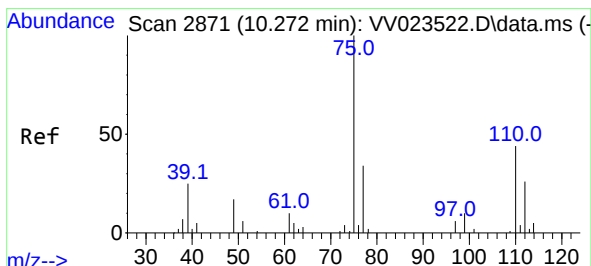
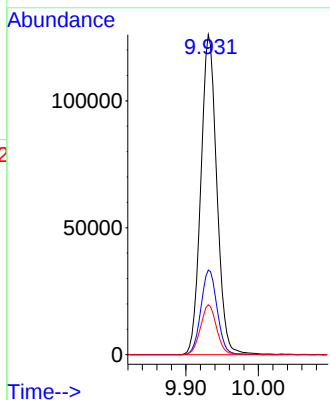
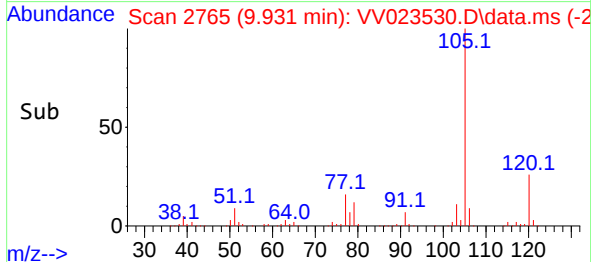
Instrument :
MSVOA_V
ClientSampleId :
GB8J9MSD



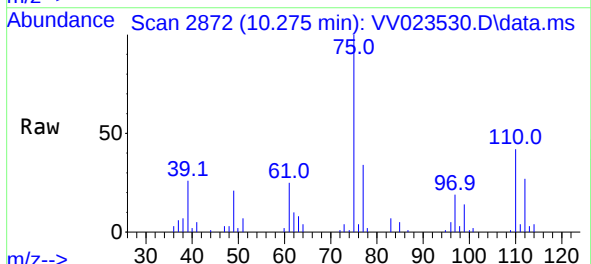
Tgt Ion:105 Resp: 19283
Ion Ratio Lower Upper
105 100
120 26.9 21.7 32.5
77 15.8 12.6 19.0

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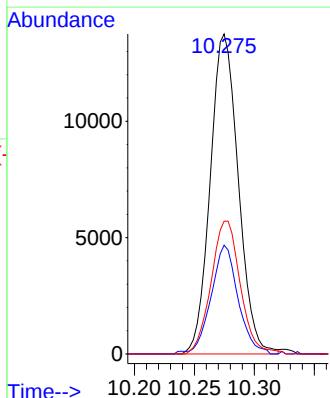
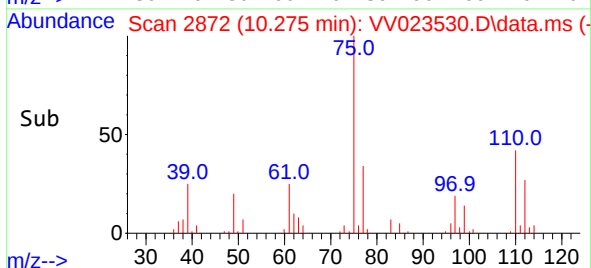
Reviewed By :John Carlone 11/17/2021
Supervised By :Mahesh Dadoda 11/18/2021

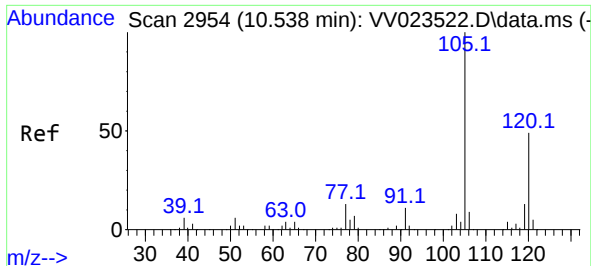


#61
1,2,3-Trichloropropane
Concen: 4.909 ug/L
RT: 10.275 min Scan# 2872
Delta R.T. 0.003 min
Lab File: VV023530.D
Acq: 16 Nov 2021 13:36



Tgt Ion: 75 Resp: 22397
Ion Ratio Lower Upper
75 100
77 32.7 26.6 39.8
110 43.2 31.8 47.6





#62

1,3,5-Trimethylbenzene

Concen: 4.905 ug/L

RT: 10.538 min Scan# 2954

Delta R.T. 0.000 min

Lab File: VV023530.D

Acq: 16 Nov 2021 13:36

Instrument :

MSVOA_V

ClientSampleId :

GB8J9MSD

Tgt Ion:105 Resp: 160272

Ion Ratio Lower Upper

105 100

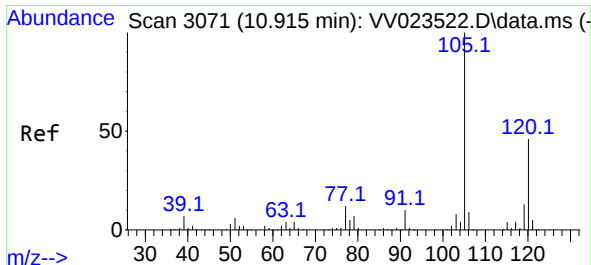
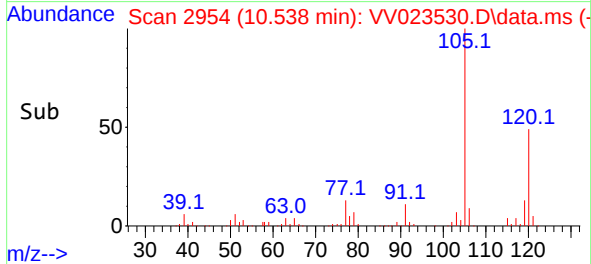
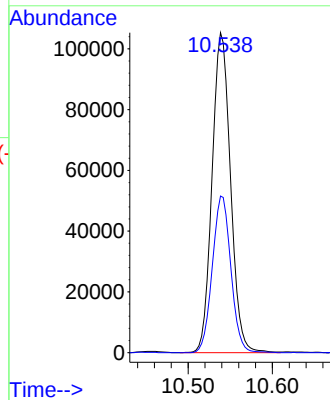
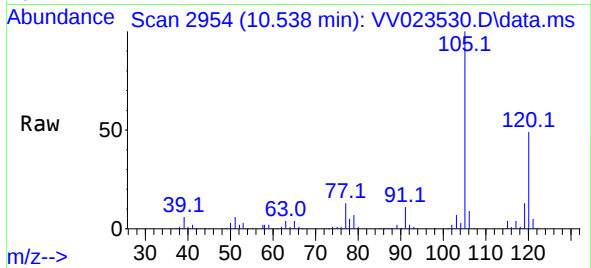
120 49.2 39.7 59.5

Manual Integrations

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Reviewed By :John Carlone 11/17/2021

Supervised By :Mahesh Dadoda 11/18/2021



#63

1,2,4-Trimethylbenzene

Concen: 4.970 ug/L

RT: 10.915 min Scan# 3071

Delta R.T. 0.000 min

Lab File: VV023530.D

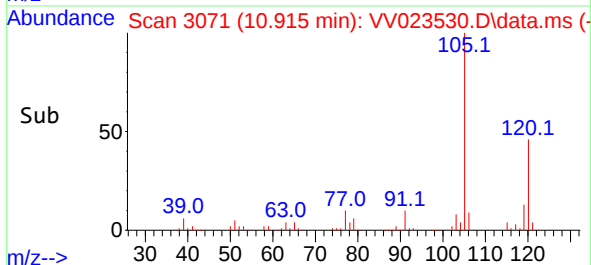
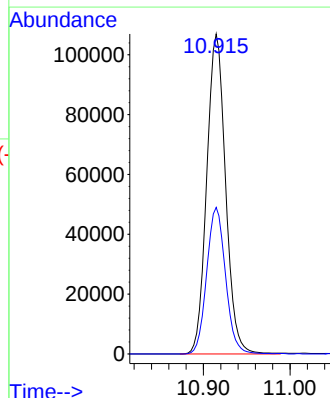
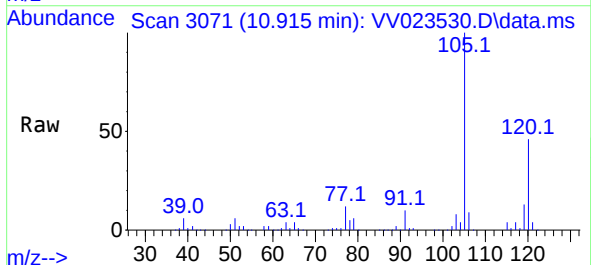
Acq: 16 Nov 2021 13:36

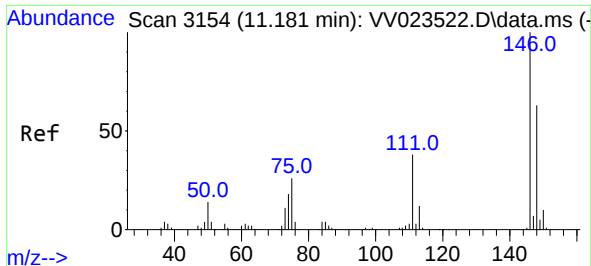
Tgt Ion:105 Resp: 161645

Ion Ratio Lower Upper

105 100

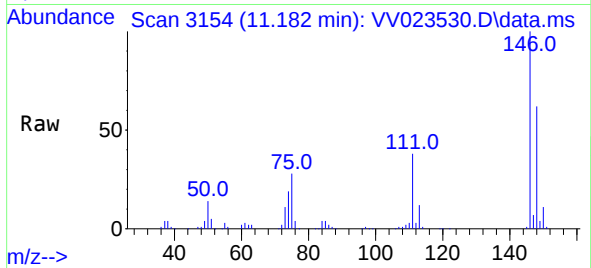
120 45.7 37.4 56.2





#64
1,3-Dichlorobenzene
Concen: 4.847 ug/L
RT: 11.182 min Scan# 3154
Delta R.T. 0.000 min
Lab File: VV023530.D
Acq: 16 Nov 2021 13:36

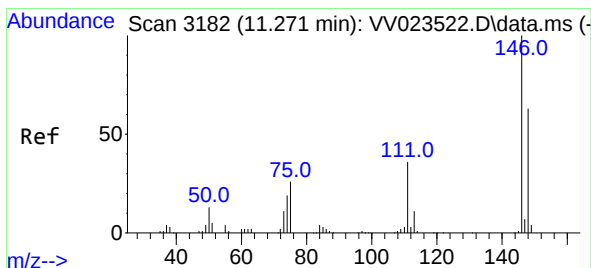
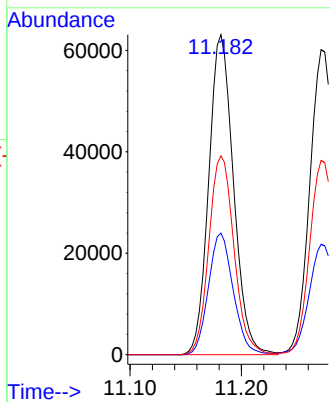
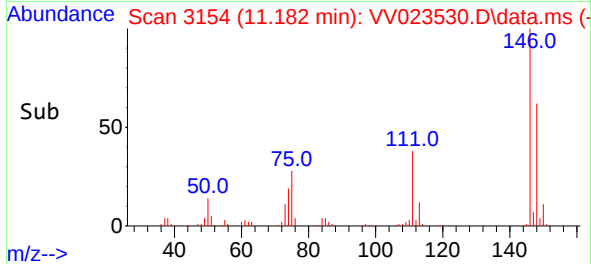
Instrument :
MSVOA_V
ClientSampleId :
GB8J9MSD



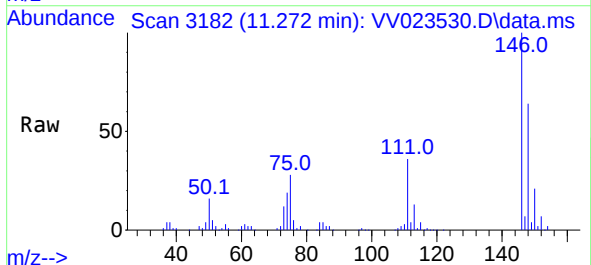
Tgt Ion:146 Resp: 97590
Ion Ratio Lower Upper
146 100
111 38.0 26.7 49.7
148 62.1 42.9 79.7

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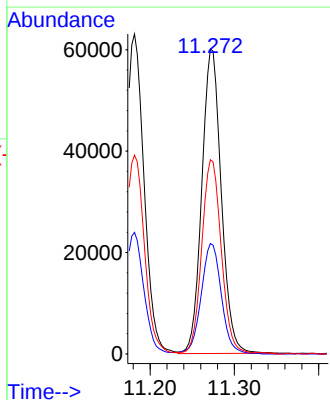
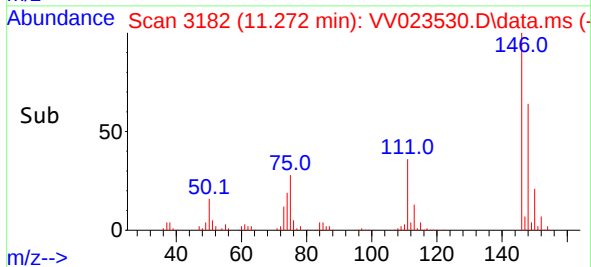
Reviewed By :John Carlone 11/17/2021
Supervised By :Mahesh Dadoda 11/18/2021

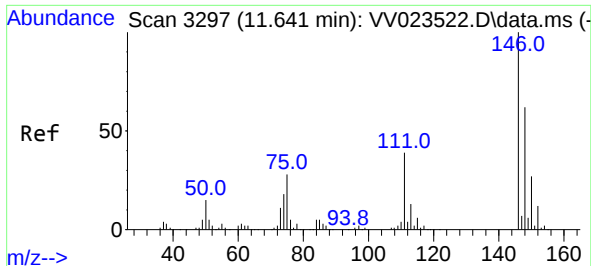


#65
1,4-Dichlorobenzene
Concen: 4.702 ug/L
RT: 11.272 min Scan# 3182
Delta R.T. 0.000 min
Lab File: VV023530.D
Acq: 16 Nov 2021 13:36



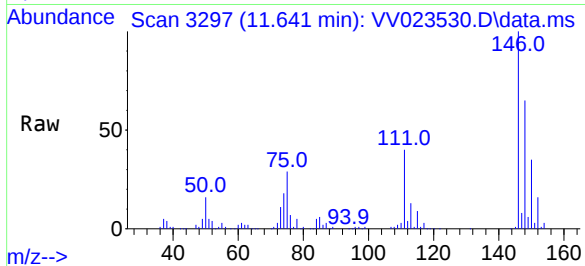
Tgt Ion:146 Resp: 96693
Ion Ratio Lower Upper
146 100
111 36.2 26.2 48.8
148 63.7 44.4 82.5





#67
1,2-Dichlorobenzene
Concen: 4.944 ug/L
RT: 11.641 min Scan# 3297
Delta R.T. 0.000 min
Lab File: VV023530.D
Acq: 16 Nov 2021 13:36

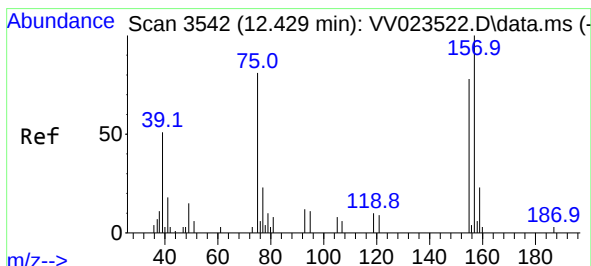
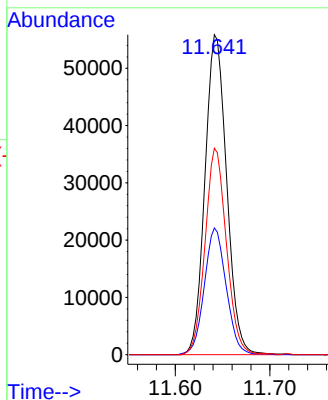
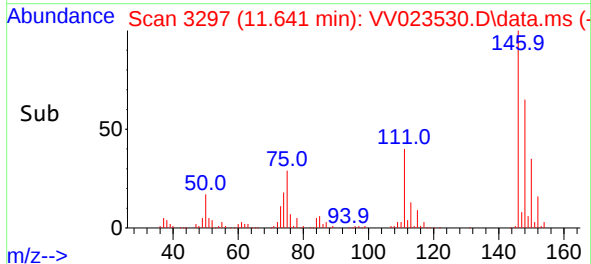
Instrument :
MSVOA_V
ClientSampleId :
GB8J9MSD



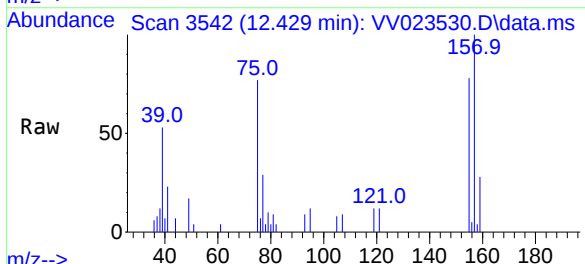
Tgt Ion:146 Resp: 8908
Ion Ratio Lower Upper
146 100
111 39.6 31.6 47.4
148 64.6 51.0 76.6

Manual Integrations
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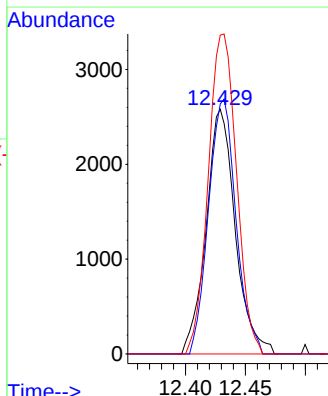
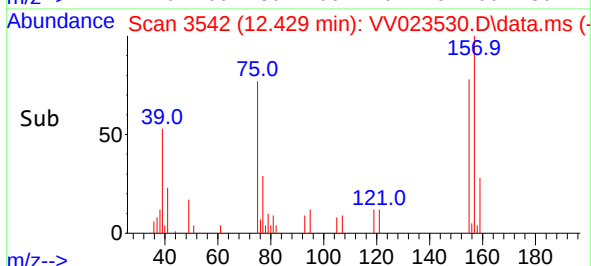
Reviewed By :John Carlone 11/17/2021
Supervised By :Mahesh Dadoda 11/18/2021

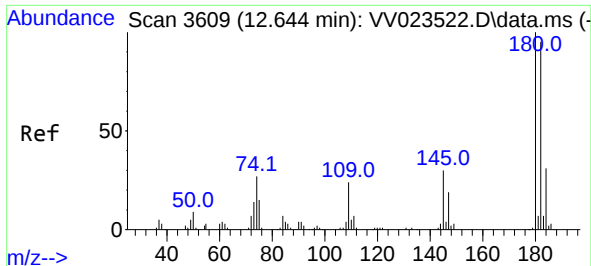


#68
1,2-Dibromo-3-chloropropane
Concen: 4.496 ug/L
RT: 12.429 min Scan# 3542
Delta R.T. 0.000 min
Lab File: VV023530.D
Acq: 16 Nov 2021 13:36



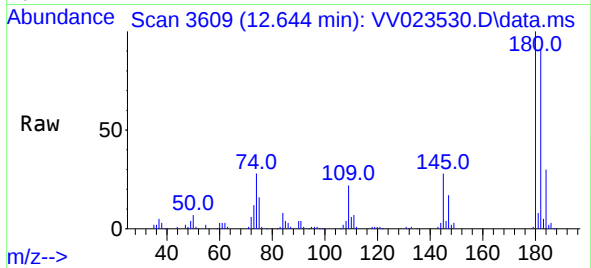
Tgt Ion: 75 Resp: 4370
Ion Ratio Lower Upper
75 100
155 102.2 67.7 101.5#
157 130.4 87.9 131.9





#69
 1,3,5-Trichlorobenzene
 Concen: 4.703 ug/L
 RT: 12.644 min Scan# 3609
 Delta R.T. 0.000 min
 Lab File: VV023530.D
 Acq: 16 Nov 2021 13:36

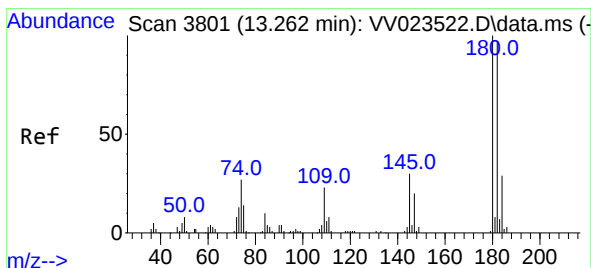
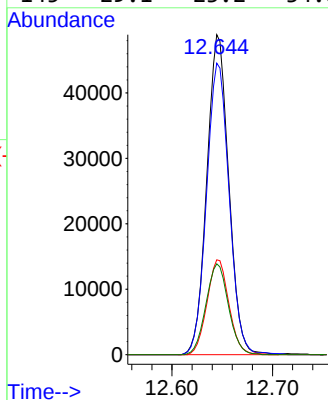
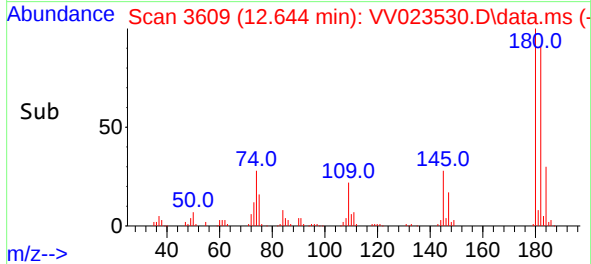
Instrument :
 MSVOA_V
 ClientSampleId :
 GB8J9MSD



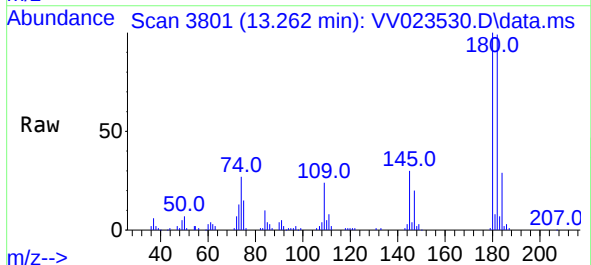
Tgt Ion:180 Resp: 74150
 Ion Ratio Lower Upper
 180 100
 182 93.9 74.9 112.3
 184 29.6 23.8 35.8
 145 29.1 23.2 34.8

Manual Integrations
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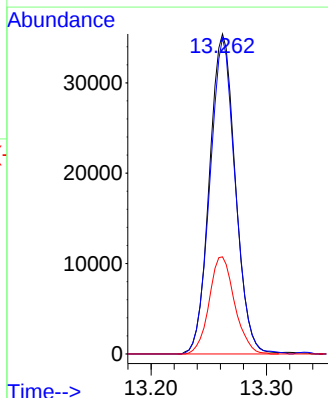
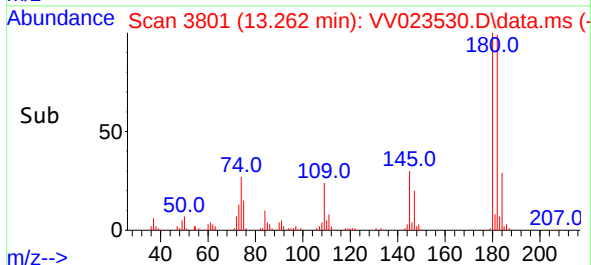
Reviewed By :John Carlone 11/17/2021
 Supervised By :Mahesh Dadoda 11/18/2021

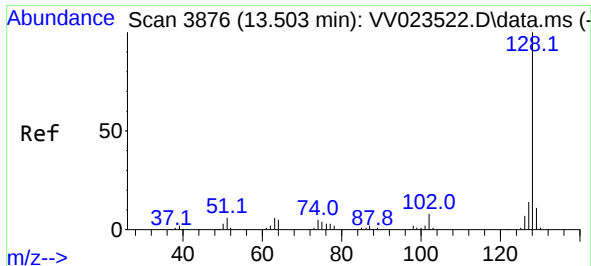


#70
 1,2,4-trichlorobenzene
 Concen: 4.350 ug/L
 RT: 13.262 min Scan# 3801
 Delta R.T. 0.000 min
 Lab File: VV023530.D
 Acq: 16 Nov 2021 13:36



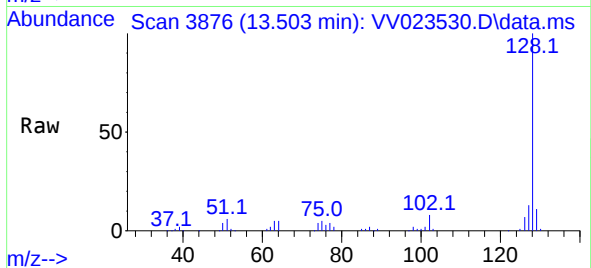
Tgt Ion:180 Resp: 54923
 Ion Ratio Lower Upper
 180 100
 182 96.9 76.9 115.3
 145 29.9 24.4 36.6





#71
Naphthalene
Concen: 4.225 ug/L
RT: 13.503 min Scan# 3876
Delta R.T. 0.000 min
Lab File: VV023530.D
Acq: 16 Nov 2021 13:36

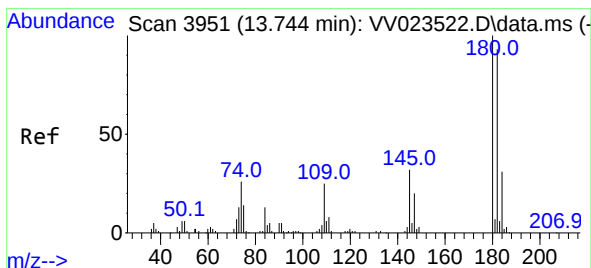
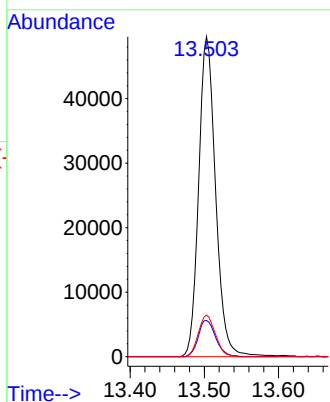
Instrument :
MSVOA_V
ClientSampleId :
GB8J9MSD



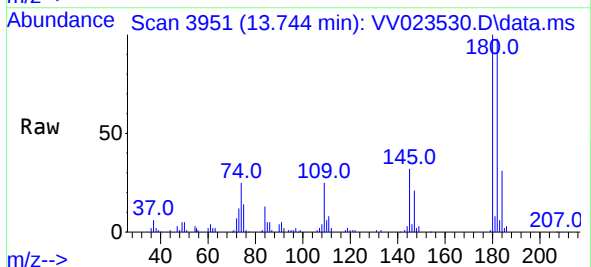
Tgt Ion:128 Resp: 7865
Ion Ratio Lower Upper
128 100
129 11.7 8.6 13.0
127 13.0 10.5 15.7

Manual Integrations
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Reviewed By :John Carlone 11/17/2021
Supervised By :Mahesh Dadoda 11/18/2021



#72
1,2,3-Trichlorobenzene
Concen: 4.573 ug/L
RT: 13.744 min Scan# 3951
Delta R.T. 0.000 min
Lab File: VV023530.D
Acq: 16 Nov 2021 13:36



Tgt Ion:180 Resp: 50514
Ion Ratio Lower Upper
180 100
182 97.7 76.7 115.1
145 31.4 25.7 38.5

