

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW111722\
 Data File : VW029102.D
 Acq On : 18 Nov 2022 07:05
 Operator : SY/MD
 Sample : N5648-08MS
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H46E7MS

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 11/18/2022
 Supervised By :Mahesh Dadoda 11/18/2022

Quant Time: Nov 18 08:33:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 18 04:35:43 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.612	114	259002	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	240745	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.242	152	129619	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	62061	3.930	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.600%
7) Chloroethane-d5	1.568	69	51831	3.734	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	74.600%
11) 1,1-Dichloroethene-d2	2.108	63	120623	4.192	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.800%
20) 2-Butanone-d5	3.889	46	161237	61.001	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	122.000%
24) Chloroform-d	4.342	84	153189	4.725	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.600%
26) 1,2-Dichloroethane-d4	5.031	65	68627	4.705	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.200%
32) Benzene-d6	5.047	84	308520	4.293	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.800%
36) 1,2-Dichloropropane-d6	6.066	67	87819	4.377	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.600%
41) Toluene-d8	7.310	98	302003	4.669	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.400%
43) trans-1,3-Dichloroprop...	7.619	79	29709	4.540	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.800%
46) 2-Hexanone-d5	8.088	63	143388	51.330	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.660%
56) 1,1,2,2-Tetrachloroeth...	10.207	84	73113	5.255	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.200%
66) 1,2-Dichlorobenzene-d4	11.615	152	116846	5.039	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	104420	4.836	ug/L	98
3) Chloromethane	1.240	50	79880	4.458	ug/L	100
5) Vinyl chloride	1.310	62	335045	16.392	ug/L	97
6) Bromomethane	1.523	94	55667	4.557	ug/L	99
8) Chloroethane	1.584	64	63047	5.249	ug/L	87
9) Trichlorofluoromethane	1.751	101	144923	5.259	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.117	101	81493	5.223	ug/L	95
12) 1,1-Dichloroethene	2.117	96	82018	5.231	ug/L	90
13) Acetone	2.179	43	98349m	57.843	ug/L	
14) Carbon disulfide	2.291	76	255863	4.595	ug/L	99
15) Methyl Acetate	2.436	43	19217	4.657	ug/L	99
16) Methylene chloride	2.503	84	91504	4.514	ug/L	93
17) Methyl tert-butyl Ether	2.761	73	9470647	281.740	ug/L	99
18) trans-1,2-Dichloroethene	2.757	96	116448	6.404	ug/L	95
19) 1,1-Dichloroethane	3.185	63	197152	6.632	ug/L	99
21) 2-Butanone	3.976	43	144992	55.080	ug/L	86
22) cis-1,2-Dichloroethene	3.905	96	111843	6.050	ug/L	92
23) Bromochloromethane	4.246	128	44505	5.692	ug/L	92
25) Chloroform	4.371	83	163278	5.239	ug/L	95

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 Supervised By :Mahesh Dadoda 11/18/2022

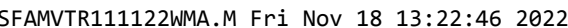
Quant Time: Nov 18 08:33:51 2022
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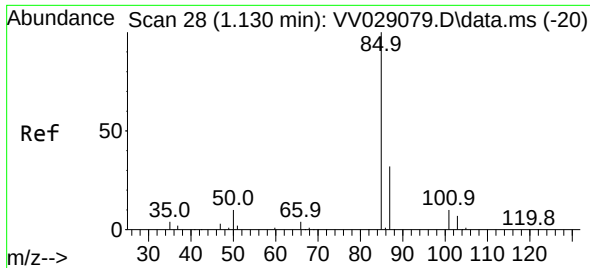
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.127	62	87106	5.427	ug/L	98
29) 1,1,1-Trichloroethane	4.603	97	140879	4.987	ug/L	98
30) Cyclohexane	4.674	56	133689	4.656	ug/L	97
31) Carbon tetrachloride	4.822	117	118560	4.873	ug/L	99
33) Benzene	5.095	78	407798	5.543	ug/L	100
34) Trichloroethene	5.912	95	97313	5.167	ug/L	96
35) Methylcyclohexane	6.127	83	153863	4.648	ug/L	97
37) 1,2-Dichloropropane	6.169	63	84311	4.970	ug/L	99
38) Bromodichloromethane	6.506	83	105083	4.891	ug/L	97
39) cis-1,3-Dichloropropene	7.024	75	104585	4.416	ug/L	100
40) 4-Methyl-2-pentanone	7.223	43	388627	53.244	ug/L	98
42) Toluene	7.381	91	415296	5.225	ug/L	99
44) trans-1,3-Dichloropropene	7.648	75	82151	4.468	ug/L	98
45) 1,1,2-Trichloroethane	7.834	97	62335	5.613	ug/L	98
47) Tetrachloroethene	7.969	164	84796	5.623	ug/L	94
48) 2-Hexanone	8.136	43	280580	54.877	ug/L	99
49) Dibromochloromethane	8.239	129	69099	5.146	ug/L	98
50) 1,2-Dibromoethane	8.345	107	58518	5.672	ug/L	96
51) Chlorobenzene	8.876	112	273456	5.565	ug/L	98
52) Ethylbenzene	9.005	91	444273	5.369	ug/L	99
53) m,p-Xylene	9.130	106	177102	5.382	ug/L	98
54) o-Xylene	9.535	106	175085	5.597	ug/L	99
55) Styrene	9.554	104	294333	5.610	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.233	83	73193	5.655	ug/L #	98
59) Bromoform	9.725	173	35166	4.977	ug/L	97
60) Isopropylbenzene	9.924	105	461375	5.484	ug/L	99
61) 1,2,3-Trichloropropane	10.265	75	50915	5.748	ug/L	97
62) 1,3,5-Trimethylbenzene	10.532	105	389850	5.470	ug/L	100
63) 1,2,4-Trimethylbenzene	10.905	105	386430	5.413	ug/L	99
64) 1,3-Dichlorobenzene	11.172	146	222025	5.617	ug/L	99
65) 1,4-Dichlorobenzene	11.265	146	215372	5.419	ug/L	99
67) 1,2-Dichlorobenzene	11.635	146	194544	5.477	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.419	75	7443	4.271	ug/L #	72
69) 1,3,5-Trichlorobenzene	12.635	180	156932	5.146	ug/L	99
70) 1,2,4-trichlorobenzene	13.252	180	116257	5.040	ug/L	99
71) Naphthalene	13.493	128	143826	4.832	ug/L	99
72) 1,2,3-Trichlorobenzene	13.731	180	102844	5.264	ug/L	100

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

Manual Integrations

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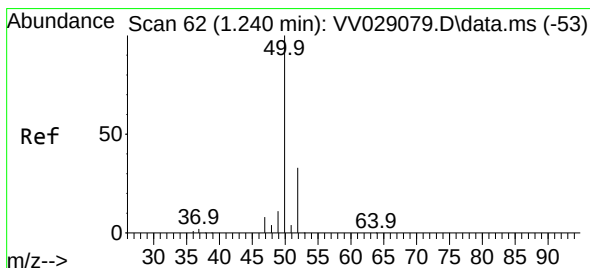
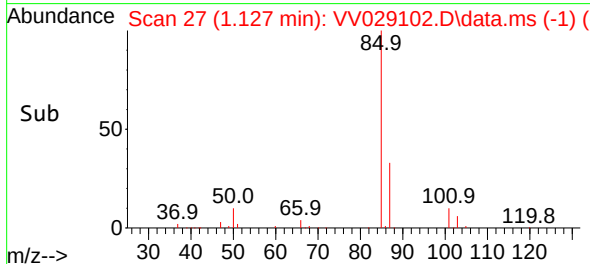
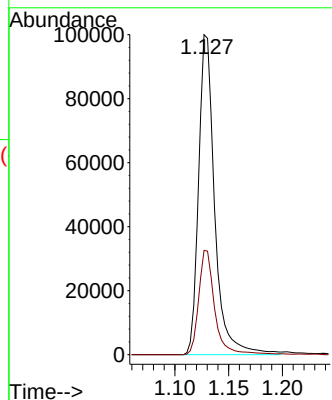
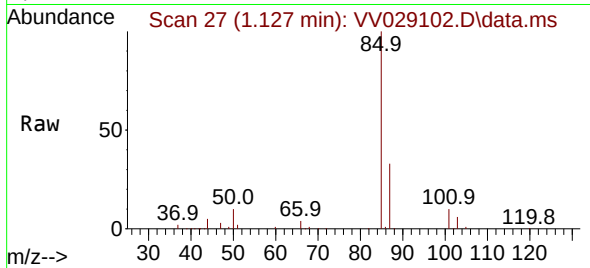
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 Dichlorodifluoromethane
 Concen: 4.836 ug/L
 RT: 1.127 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VV029102.D
 Acq: 18 Nov 2022 07:05

Instrument :
 MSVOA_V
 ClientSampleId :
 H46E7MS

Tgt Ion: 85 Resp: 104420
 Ion Ratio Lower Upper
 85 100
 87 32.5 25.0 37.4

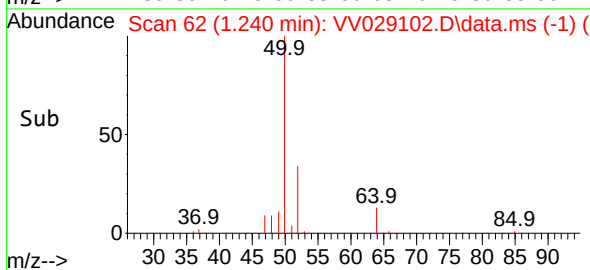
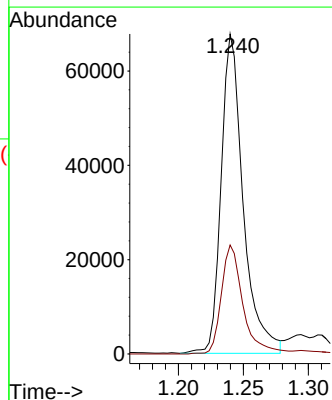
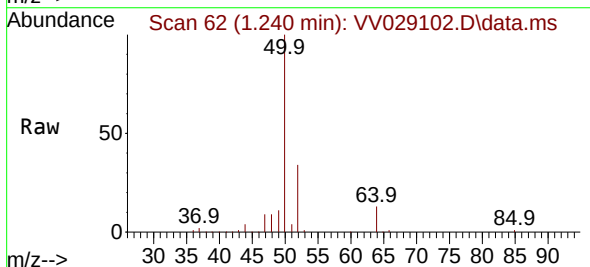
Manual Integrations
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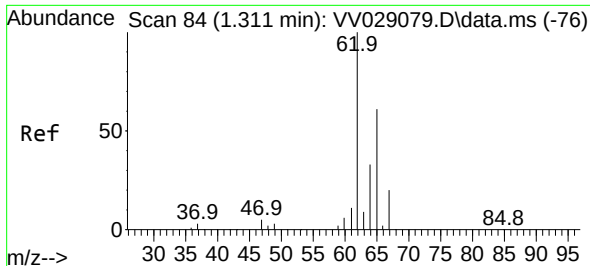
Reviewed By :Krupa Patel 11/18/2022
 Supervised By :Mahesh Dadoda 11/18/2022



#3
 Chloromethane
 Concen: 4.458 ug/L
 RT: 1.240 min Scan# 62
 Delta R.T. -0.000 min
 Lab File: VV029102.D
 Acq: 18 Nov 2022 07:05

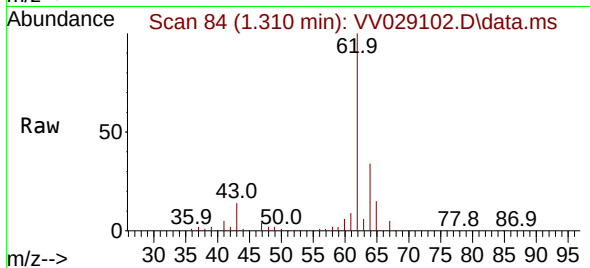
Tgt Ion: 50 Resp: 79880
 Ion Ratio Lower Upper
 50 100
 52 34.0 23.7 43.9





#5
 Vinyl chloride
 Concen: 16.392 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. -0.000 min
 Lab File: VV029102.D
 Acq: 18 Nov 2022 07:05

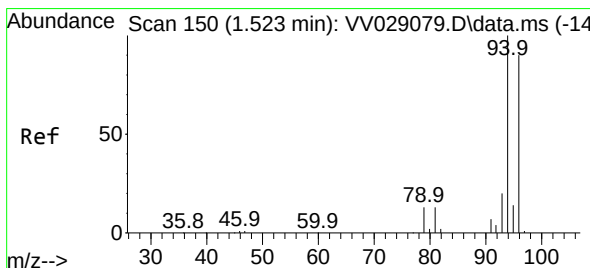
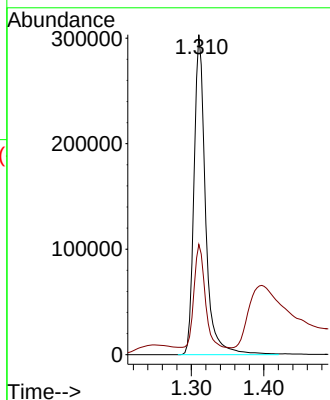
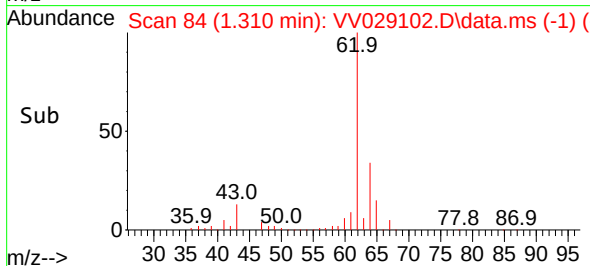
Instrument :
 MSVOA_V
 ClientSampleId :
 H46E7MS



Tgt Ion: 62 Resp: 335049
 Ion Ratio Lower Upper
 62 100
 64 34.4 22.8 42.4

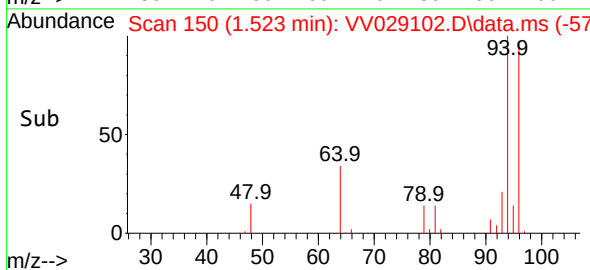
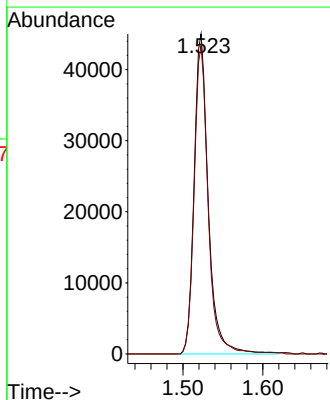
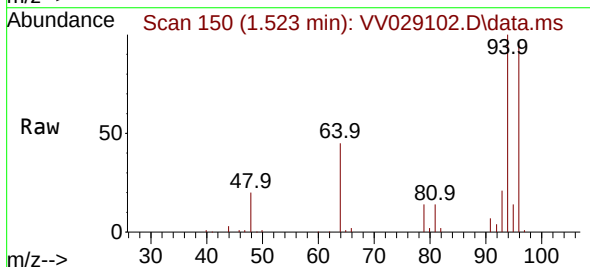
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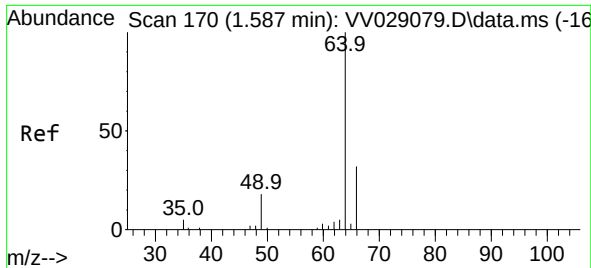
Reviewed By :Krupa Patel 11/18/2022
 Supervised By :Mahesh Dadoda 11/18/2022



#6
 Bromomethane
 Concen: 4.557 ug/L
 RT: 1.523 min Scan# 150
 Delta R.T. -0.000 min
 Lab File: VV029102.D
 Acq: 18 Nov 2022 07:05

Tgt Ion: 94 Resp: 55667
 Ion Ratio Lower Upper
 94 100
 96 96.4 68.5 127.3





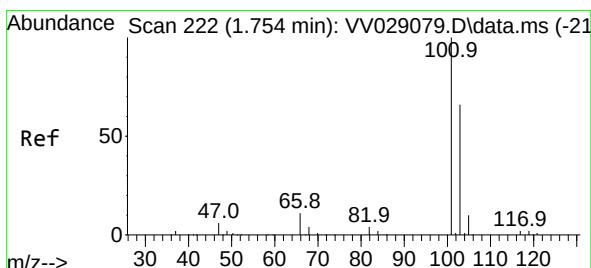
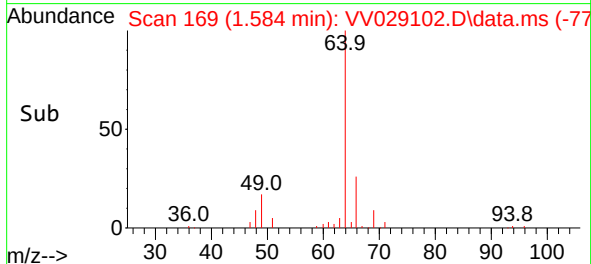
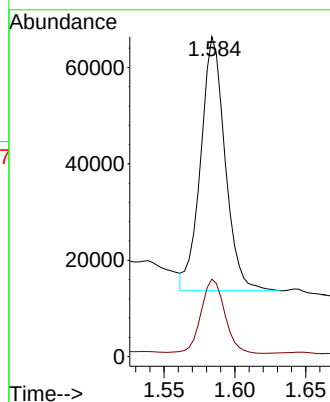
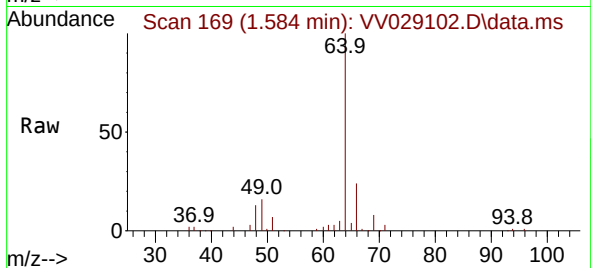
#8
Chloroethane
Concen: 5.249 ug/L
RT: 1.584 min Scan# 169
Delta R.T. -0.003 min
Lab File: VV029102.D
Acq: 18 Nov 2022 07:05

Instrument :
MSVOA_V
ClientSampleId :
H46E7MS

Tgt Ion: 64 Resp: 6304
Ion Ratio Lower Upper
64 100
66 24.2 22.0 40.8

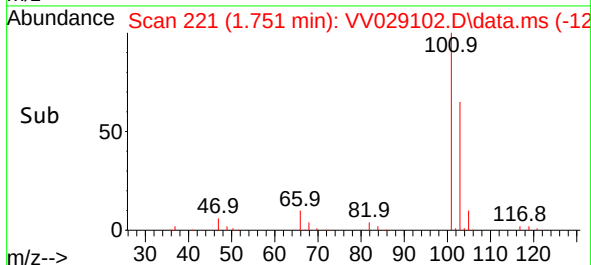
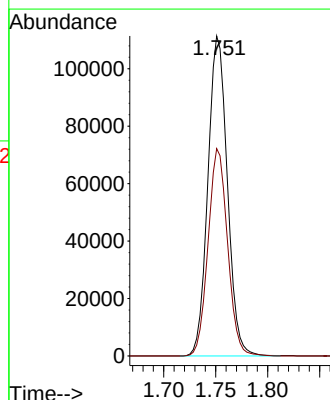
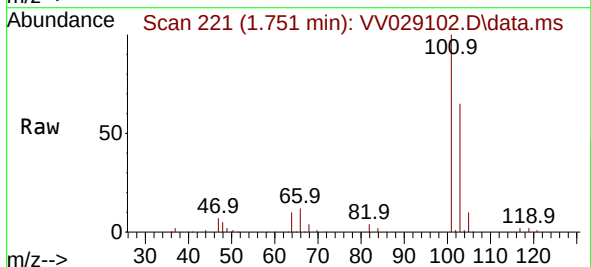
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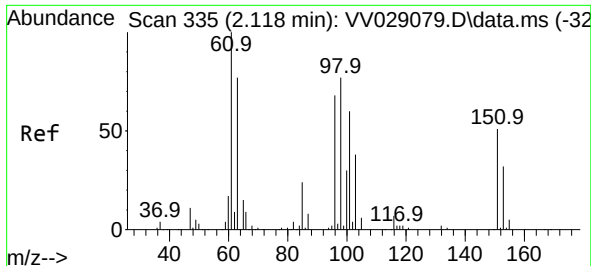
Reviewed By :Krupa Patel 11/18/2022
Supervised By :Mahesh Dadoda 11/18/2022



#9
Trichlorofluoromethane
Concen: 5.259 ug/L
RT: 1.751 min Scan# 221
Delta R.T. -0.003 min
Lab File: VV029102.D
Acq: 18 Nov 2022 07:05

Tgt Ion:101 Resp: 144923
Ion Ratio Lower Upper
101 100
103 64.9 51.3 76.9





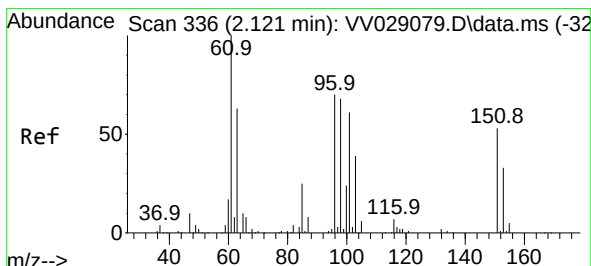
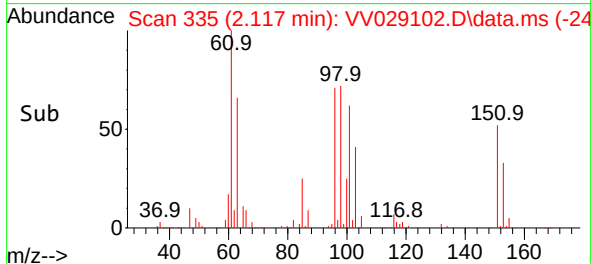
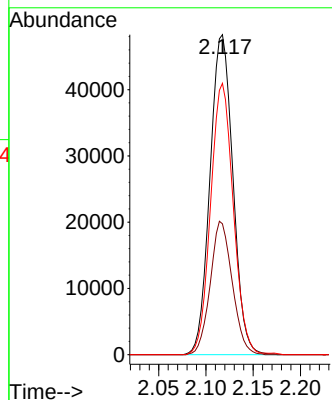
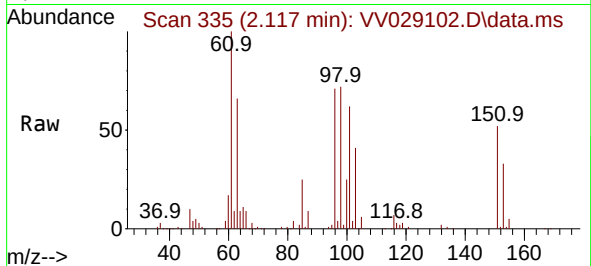
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.223 ug/L
RT: 2.117 min Scan# 335
Delta R.T. -0.000 min
Lab File: VV029102.D
Acq: 18 Nov 2022 07:05

Instrument :
MSVOA_V
ClientSampleId :
H46E7MS

Tgt Ion:101 Resp: 8149
Ion Ratio Lower Upper
101 100
85 40.0 32.9 49.3
151 84.1 62.5 93.7

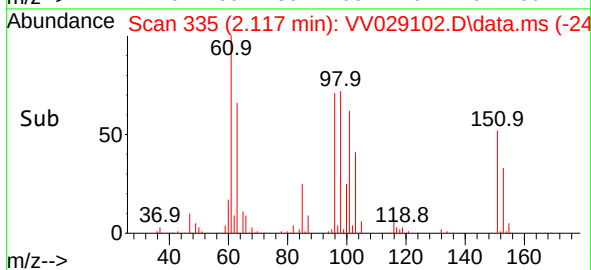
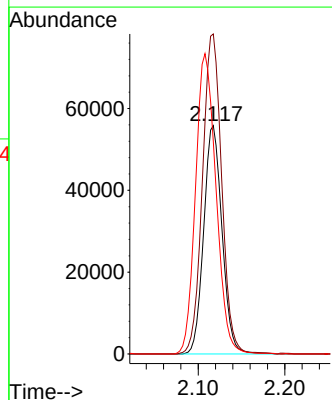
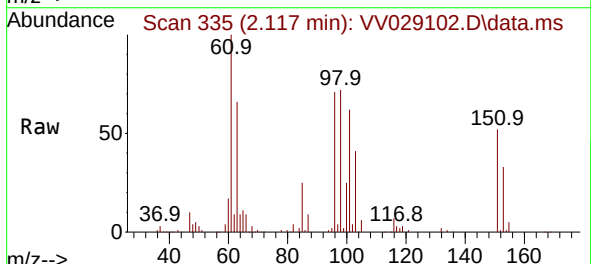
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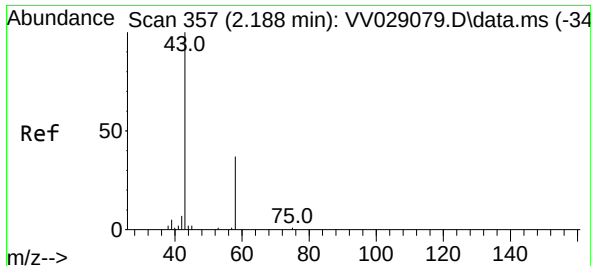
Reviewed By :Krupa Patel 11/18/2022
Supervised By :Mahesh Dadoda 11/18/2022



#12
1,1-Dichloroethene
Concen: 5.231 ug/L
RT: 2.117 min Scan# 335
Delta R.T. -0.003 min
Lab File: VV029102.D
Acq: 18 Nov 2022 07:05

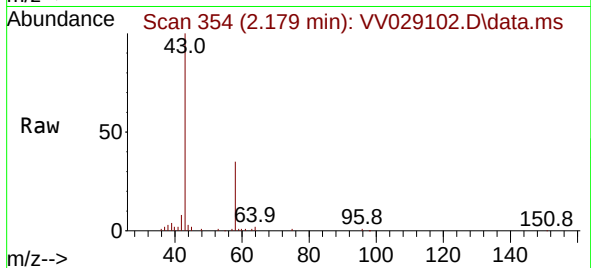
Tgt Ion: 96 Resp: 82018
Ion Ratio Lower Upper
96 100
61 140.2 104.2 193.4
63 93.0 75.9 140.9





#13
Acetone
Concen: 57.843 ug/L m
RT: 2.179 min Scan# 31
Delta R.T. -0.010 min
Lab File: VV029102.D
Acq: 18 Nov 2022 07:05

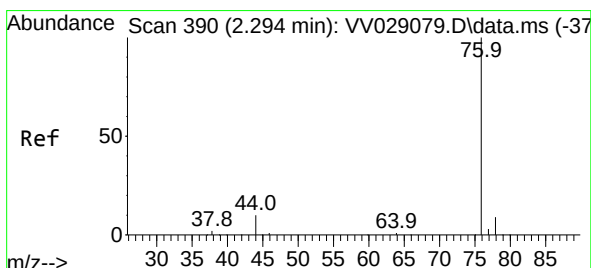
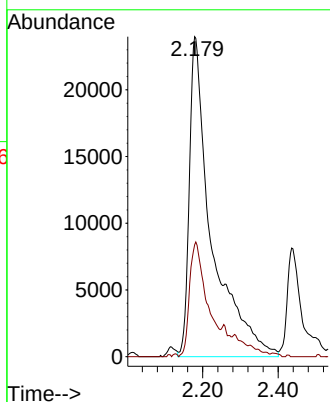
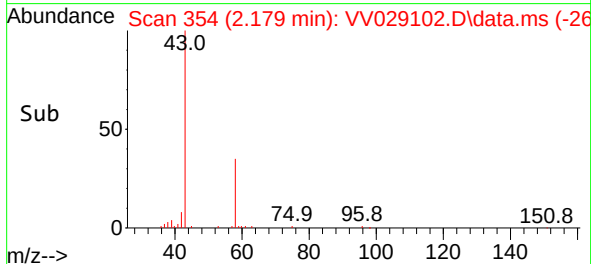
Instrument :
MSVOA_V
ClientSampleId :
H46E7MS



Tgt Ion: 43 Resp: 98349
Ion Ratio Lower Upper
43 100
58 27.5 0.0 56.6

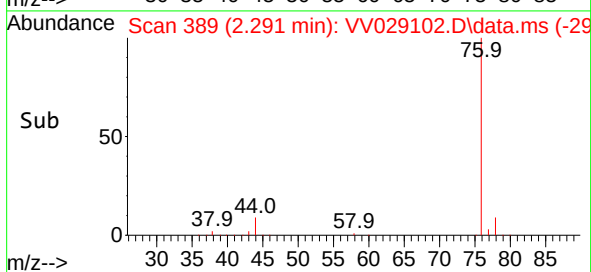
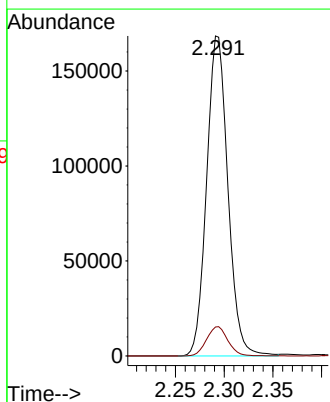
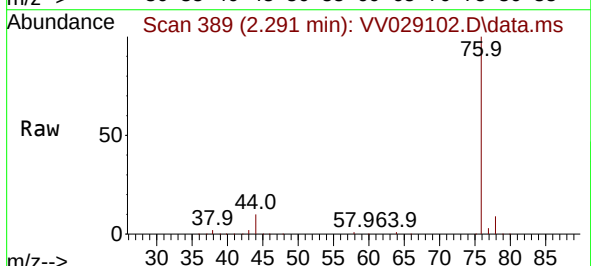
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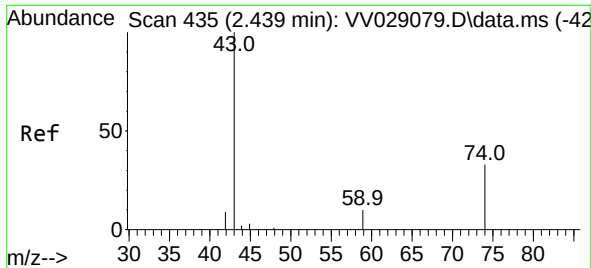
Reviewed By :Krupa Patel 11/18/2022
Supervised By :Mahesh Dadoda 11/18/2022



#14
Carbon disulfide
Concen: 4.595 ug/L
RT: 2.291 min Scan# 389
Delta R.T. -0.003 min
Lab File: VV029102.D
Acq: 18 Nov 2022 07:05

Tgt Ion: 76 Resp: 255863
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.2





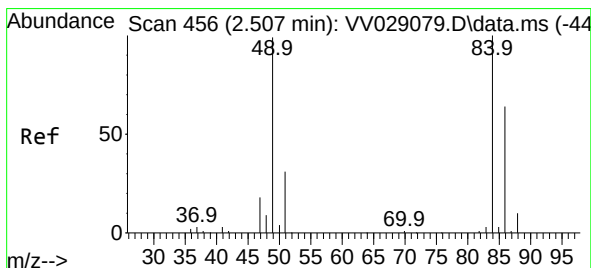
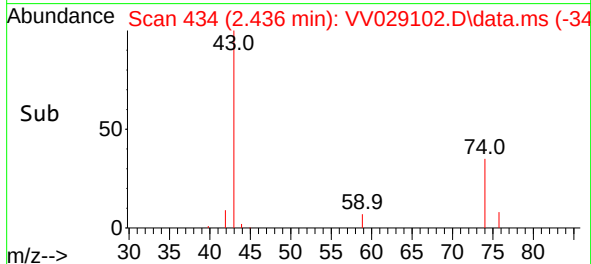
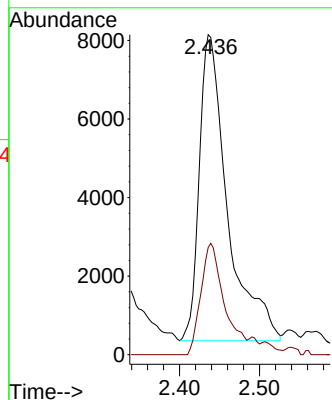
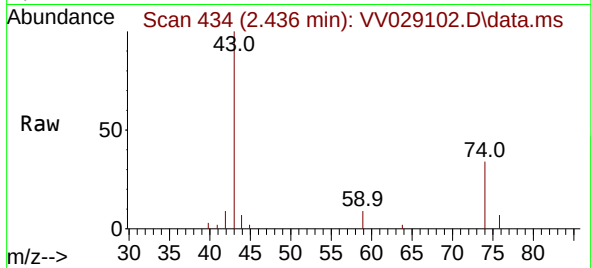
#15
Methyl Acetate
Concen: 4.657 ug/L
RT: 2.436 min Scan# 41
Delta R.T. -0.003 min
Lab File: VV029102.D
Acq: 18 Nov 2022 07:05

Instrument :
MSVOA_V
ClientSampleId :
H46E7MS

Tgt Ion: 43 Resp: 1921
Ion Ratio Lower Upper
43 100
74 30.2 24.6 37.0

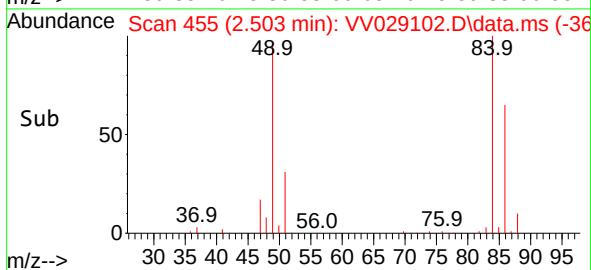
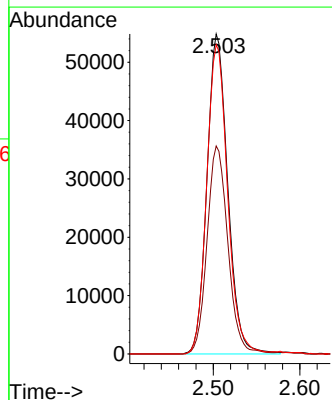
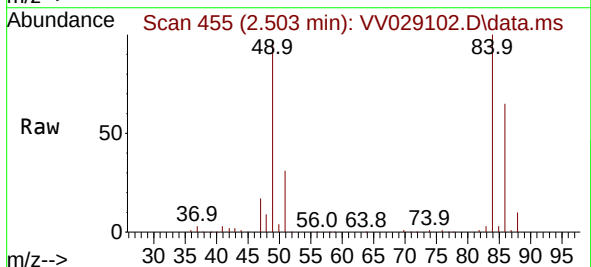
Manual Integrations
APPROVED

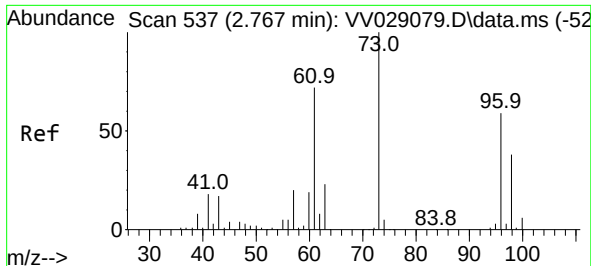
Reviewed By :Krupa Patel 11/18/2022
Supervised By :Mahesh Dadoda 11/18/2022



#16
Methylene chloride
Concen: 4.514 ug/L
RT: 2.503 min Scan# 455
Delta R.T. -0.003 min
Lab File: VV029102.D
Acq: 18 Nov 2022 07:05

Tgt Ion: 84 Resp: 91504
Ion Ratio Lower Upper
84 100
86 65.0 45.8 85.0
49 96.7 75.5 140.1





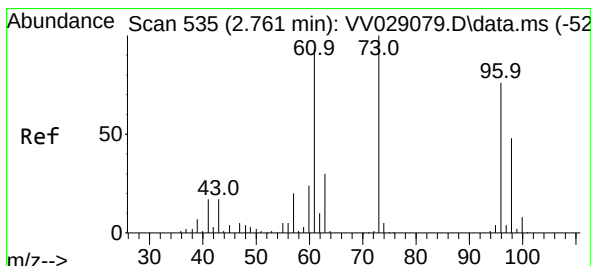
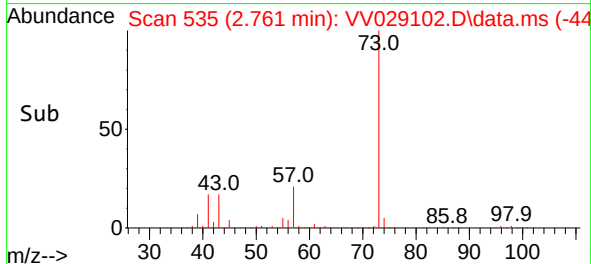
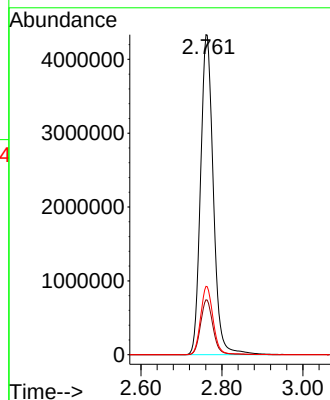
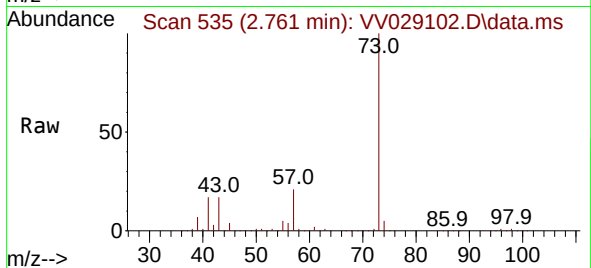
#17
Methyl tert-butyl Ether
Concen: 281.740 ug/L
RT: 2.761 min Scan# 51
Delta R.T. -0.007 min
Lab File: VV029102.D
Acq: 18 Nov 2022 07:05

Instrument :
MSVOA_V
ClientSampleId :
H46E7MS

Tgt Ion: 73 Resp: 947064
Ion Ratio Lower Upper
73 100
43 16.7 13.0 19.4
57 21.0 16.6 24.8

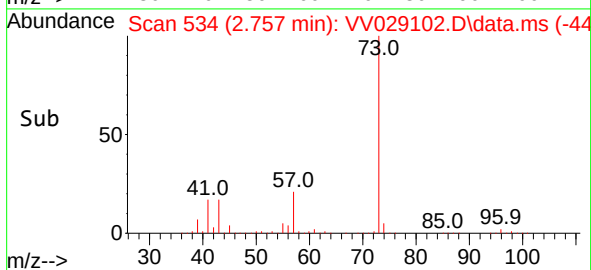
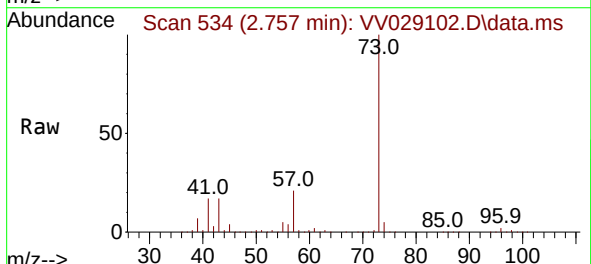
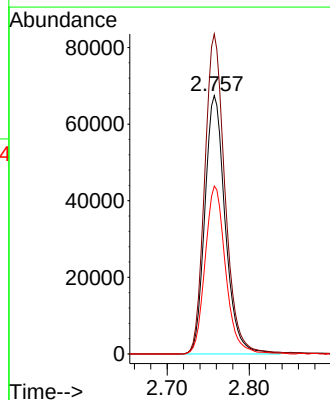
Manual Integrations
APPROVED

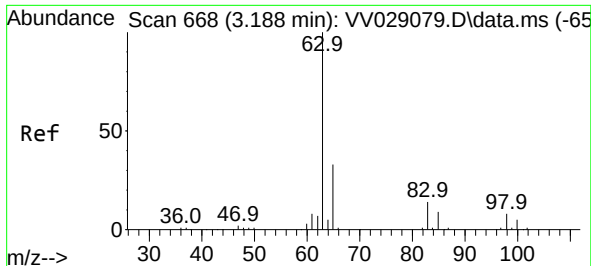
Reviewed By :Krupa Patel 11/18/2022
Supervised By :Mahesh Dadoda 11/18/2022



#18
trans-1,2-Dichloroethene
Concen: 6.404 ug/L
RT: 2.757 min Scan# 534
Delta R.T. -0.003 min
Lab File: VV029102.D
Acq: 18 Nov 2022 07:05

Tgt Ion: 96 Resp: 116448
Ion Ratio Lower Upper
96 100
61 123.8 91.8 170.6
98 64.9 46.4 86.2





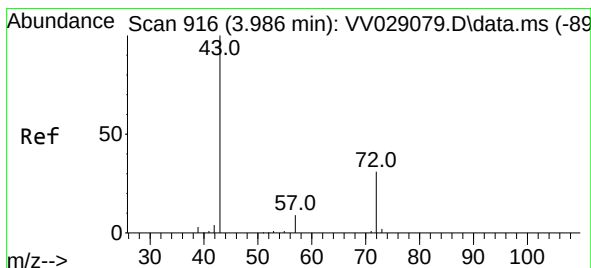
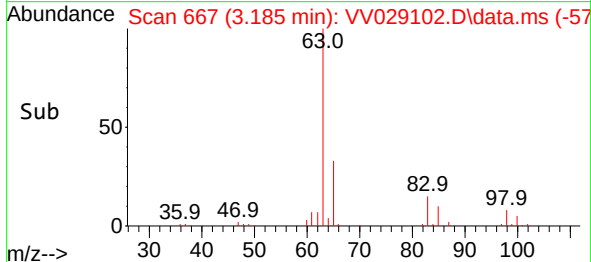
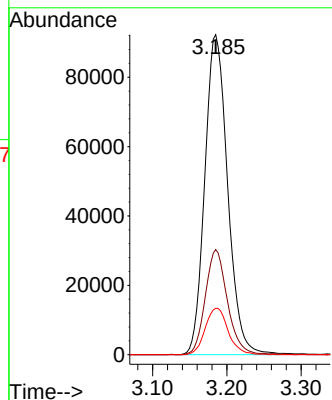
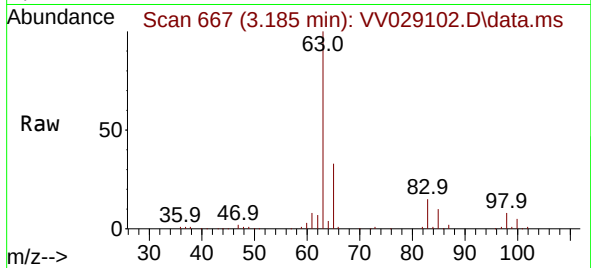
#19
1,1-Dichloroethane
Concen: 6.632 ug/L
RT: 3.185 min Scan# 60
Delta R.T. -0.003 min
Lab File: VV029102.D
Acq: 18 Nov 2022 07:05

Instrument :
MSVOA_V
ClientSampleId :
H46E7MS

Tgt Ion: 63 Resp: 197152
Ion Ratio Lower Upper
63 100
65 32.8 23.0 42.6
83 14.5 9.4 17.6

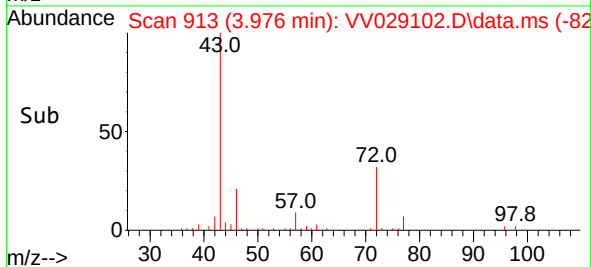
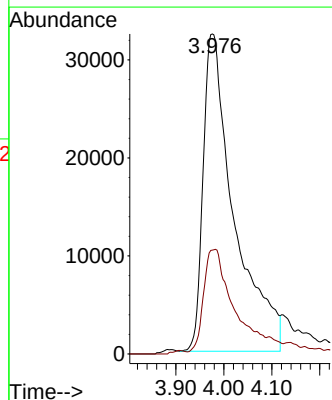
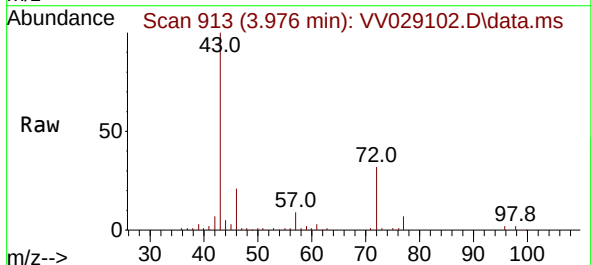
Manual Integrations
APPROVED

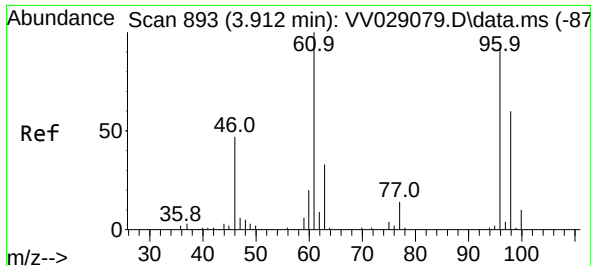
Reviewed By :Krupa Patel 11/18/2022
Supervised By :Mahesh Dadoda 11/18/2022



#21
2-Butanone
Concen: 55.080 ug/L
RT: 3.976 min Scan# 913
Delta R.T. -0.010 min
Lab File: VV029102.D
Acq: 18 Nov 2022 07:05

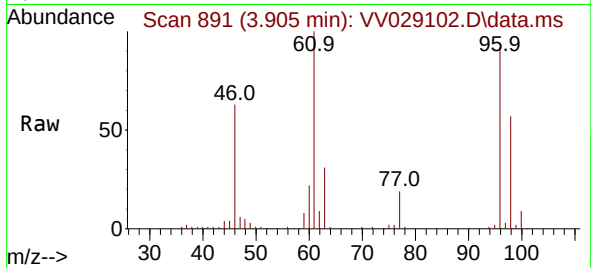
Tgt Ion: 43 Resp: 144992
Ion Ratio Lower Upper
43 100
72 30.6 11.9 35.9





#22
cis-1,2-Dichloroethene
Concen: 6.050 ug/L
RT: 3.905 min Scan# 891
Delta R.T. -0.007 min
Lab File: VV029102.D
Acq: 18 Nov 2022 07:05

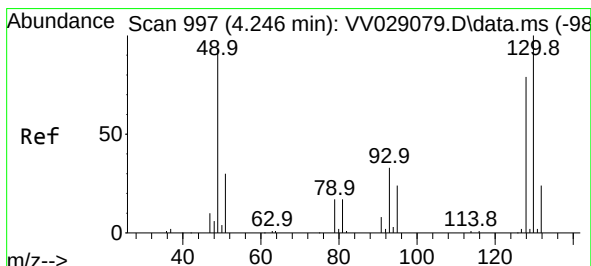
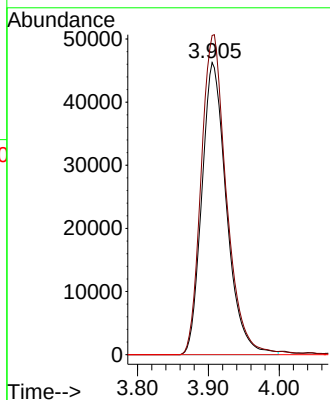
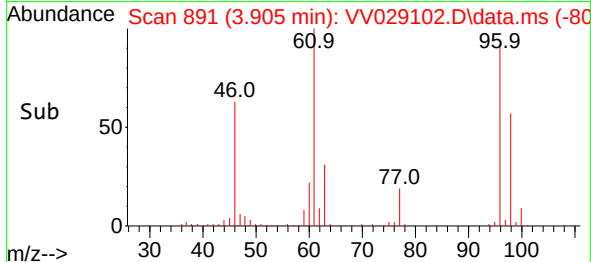
Instrument :
MSVOA_V
ClientSampleId :
H46E7MS



Tgt Ion: 96 Resp: 11184
Ion Ratio Lower Upper
96 100
61 109.3 82.3 152.9
68 0.0 0.0 0.0

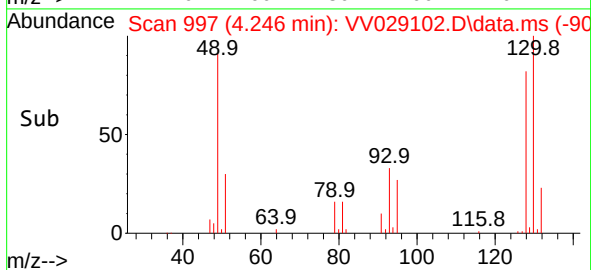
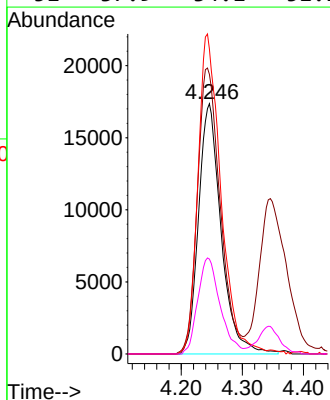
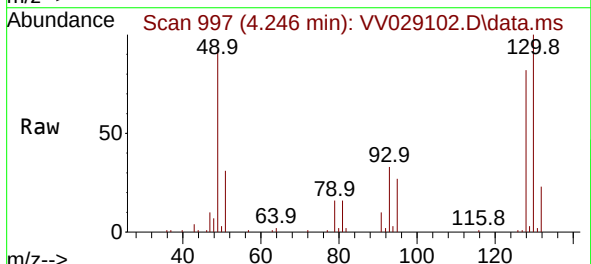
Manual Integrations
APPROVED

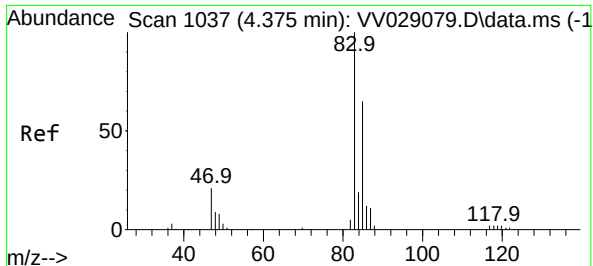
Reviewed By :Krupa Patel 11/18/2022
Supervised By :Mahesh Dadoda 11/18/2022



#23
Bromochloromethane
Concen: 5.692 ug/L
RT: 4.246 min Scan# 997
Delta R.T. -0.000 min
Lab File: VV029102.D
Acq: 18 Nov 2022 07:05

Tgt Ion:128 Resp: 44505
Ion Ratio Lower Upper
128 100
49 111.8 89.5 166.1
130 121.8 84.4 156.8
51 37.9 34.1 51.1





#25

Chloroform

Concen: 5.239 ug/L

RT: 4.371 min Scan# 1036

Delta R.T. -0.003 min

Lab File: VV029102.D

Acq: 18 Nov 2022 07:05

Instrument :

MSVOA_V

ClientSampleId :

H46E7MS

Tgt Ion: 83 Resp: 163278

Ion Ratio Lower Upper

83 100

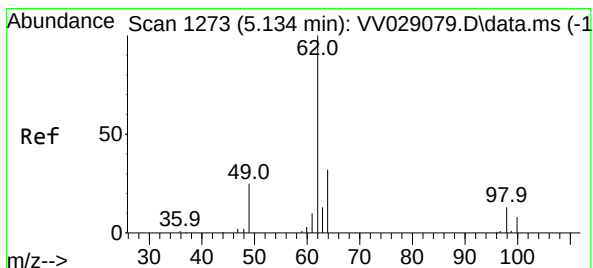
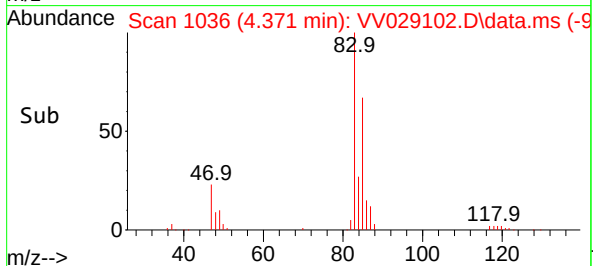
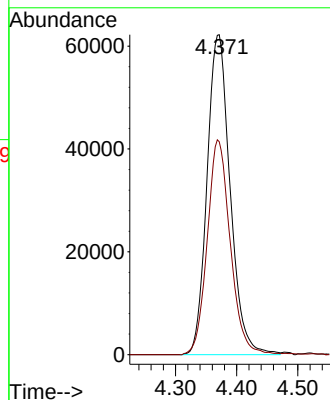
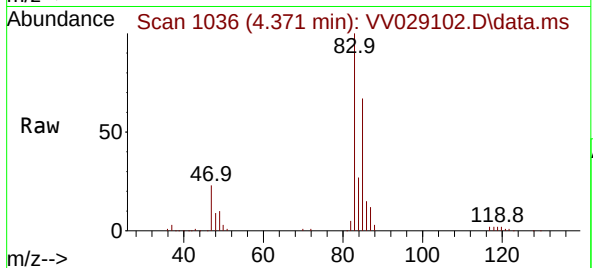
85 66.5 43.7 81.1

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 11/18/2022

Supervised By :Mahesh Dadoda 11/18/2022



#27

1,2-Dichloroethane

Concen: 5.427 ug/L

RT: 5.127 min Scan# 1271

Delta R.T. -0.007 min

Lab File: VV029102.D

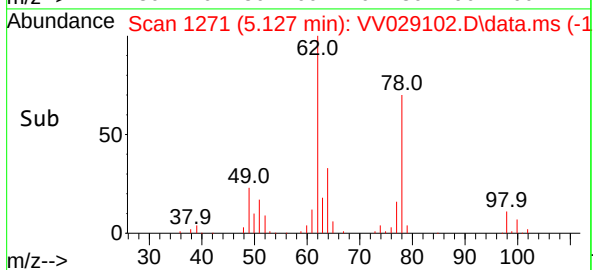
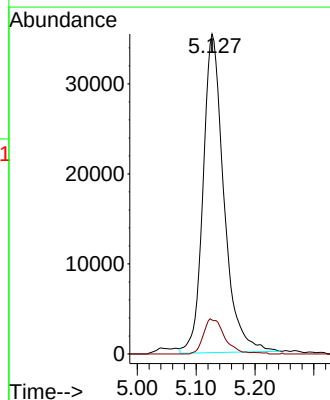
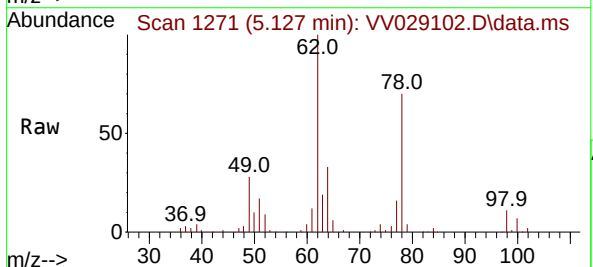
Acq: 18 Nov 2022 07:05

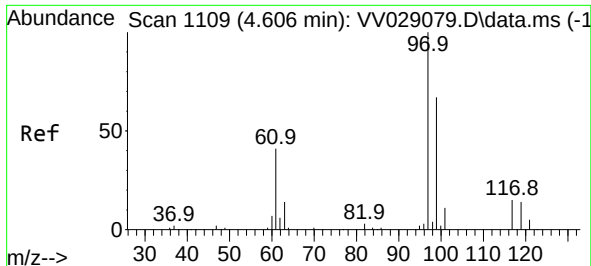
Tgt Ion: 62 Resp: 87106

Ion Ratio Lower Upper

62 100

98 10.6 9.0 13.6





#29

1,1,1-Trichloroethane

Concen: 4.987 ug/L

RT: 4.603 min Scan# 1108

Delta R.T. -0.003 min

Lab File: VV029102.D

Acq: 18 Nov 2022 07:05

Instrument :

MSVOA_V

ClientSampleId :

H46E7MS

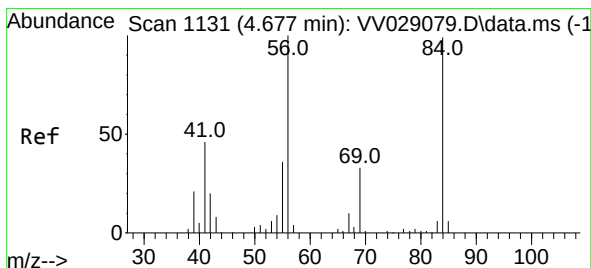
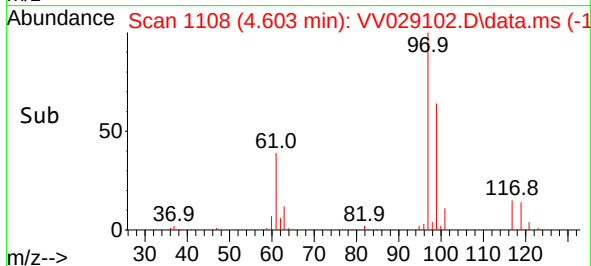
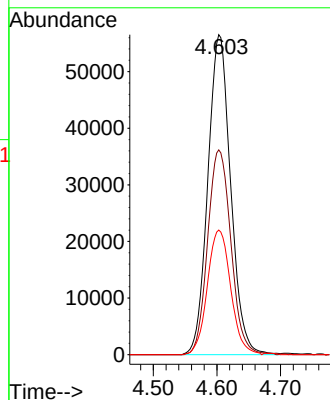
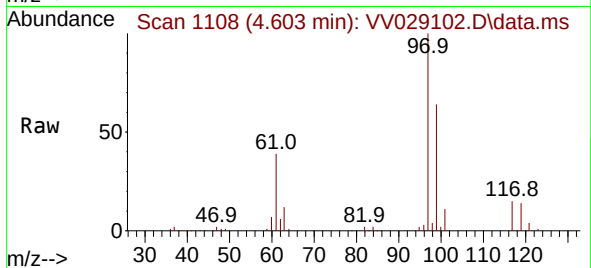
Tgt Ion:	97	Resp:	140879
Ion	Ratio	Lower	Upper
97	100		
99	65.4	52.7	79.1
61	39.9	33.8	50.6

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 11/18/2022

Supervised By :Mahesh Dadoda 11/18/2022



#30

Cyclohexane

Concen: 4.656 ug/L

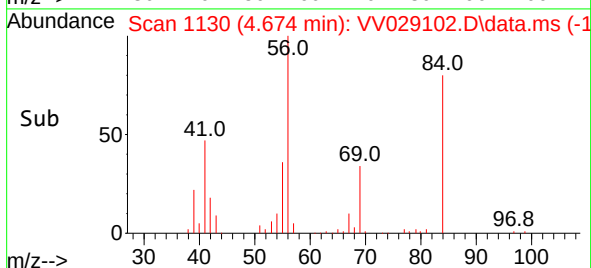
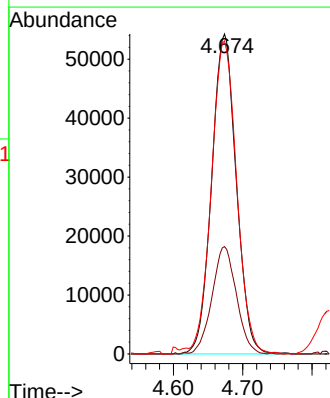
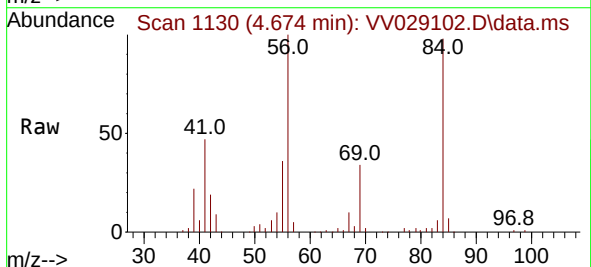
RT: 4.674 min Scan# 1130

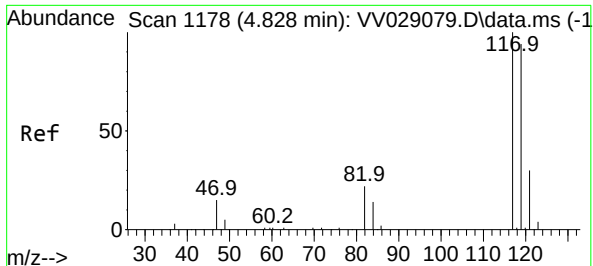
Delta R.T. -0.003 min

Lab File: VV029102.D

Acq: 18 Nov 2022 07:05

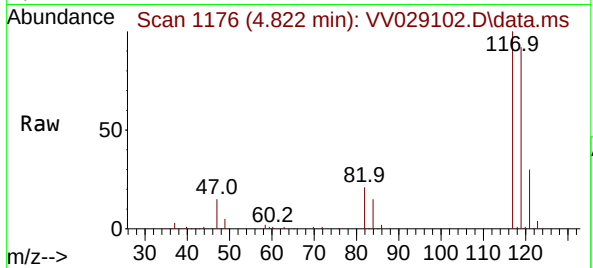
Tgt Ion:	56	Resp:	133689
Ion	Ratio	Lower	Upper
56	100		
69	33.3	26.1	39.1
84	101.3	77.9	116.9





#31
Carbon tetrachloride
Concen: 4.873 ug/L
RT: 4.822 min Scan# 1176
Delta R.T. -0.007 min
Lab File: VV029102.D
Acq: 18 Nov 2022 07:05

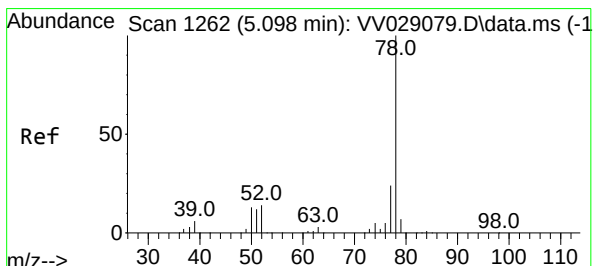
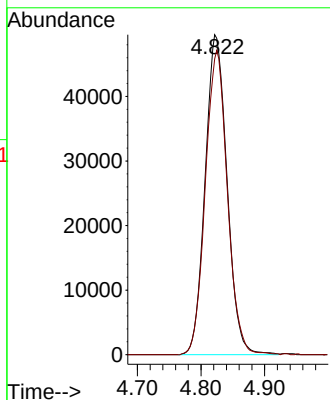
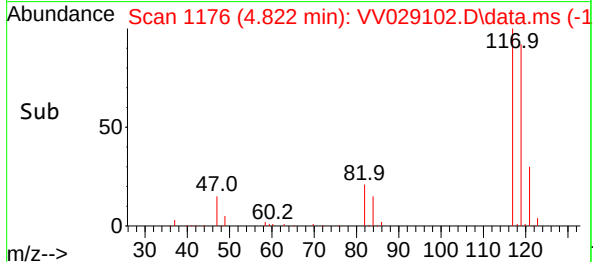
Instrument :
MSVOA_V
ClientSampleId :
H46E7MS



Tgt Ion:117 Resp: 118560
Ion Ratio Lower Upper
117 100
119 95.7 77.0 115.6

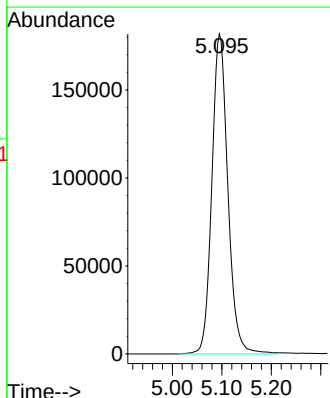
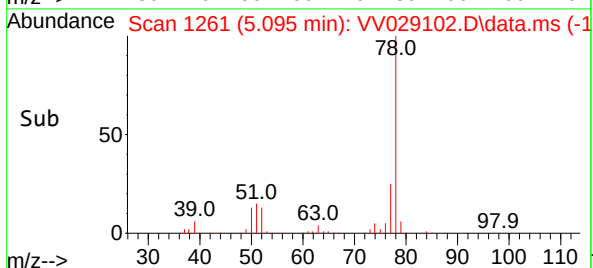
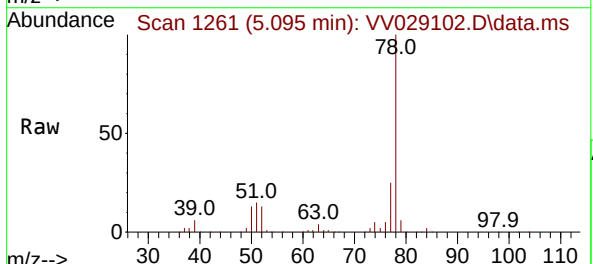
Manual Integrations
APPROVED

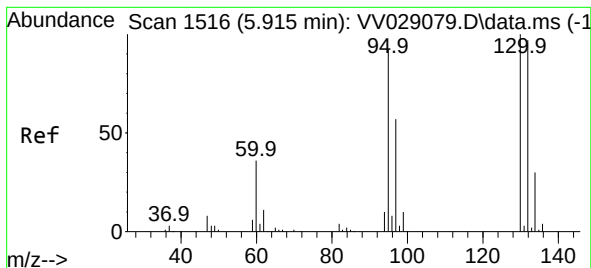
Reviewed By :Krupa Patel 11/18/2022
Supervised By :Mahesh Dadoda 11/18/2022



#33
Benzene
Concen: 5.543 ug/L
RT: 5.095 min Scan# 1261
Delta R.T. -0.003 min
Lab File: VV029102.D
Acq: 18 Nov 2022 07:05

Tgt Ion: 78 Resp: 407798





#34

Trichloroethene

Concen: 5.167 ug/L

RT: 5.912 min Scan# 1515

Delta R.T. -0.003 min

Lab File: VV029102.D

Acq: 18 Nov 2022 07:05

Instrument :

MSVOA_V

ClientSampleId :

H46E7MS

Tgt Ion: 95 Resp: 9731

Ion Ratio Lower Upper

95 100

97 65.5 45.6 84.8

132 105.5 69.1 128.3

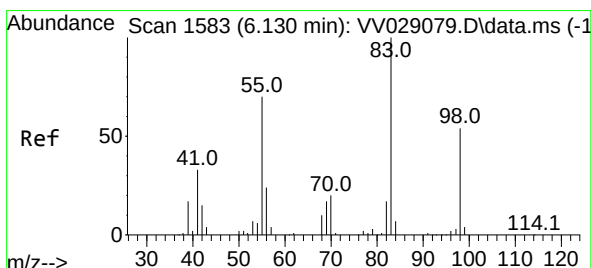
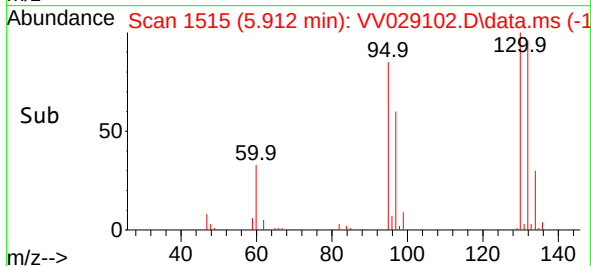
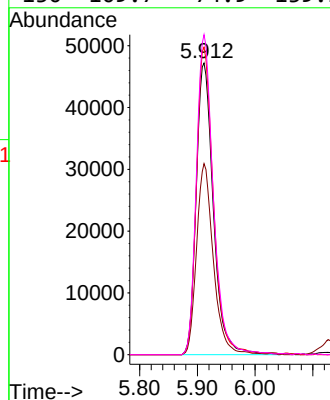
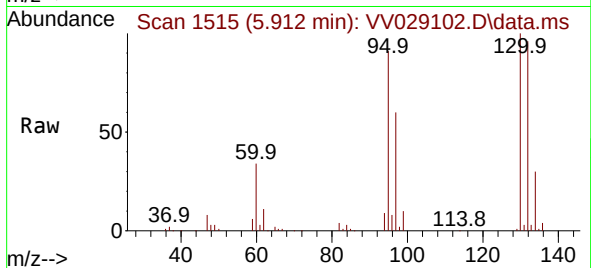
130 109.7 74.9 139.1

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 11/18/2022

Supervised By :Mahesh Dadoda 11/18/2022



#35

Methylcyclohexane

Concen: 4.648 ug/L

RT: 6.127 min Scan# 1582

Delta R.T. -0.003 min

Lab File: VV029102.D

Acq: 18 Nov 2022 07:05

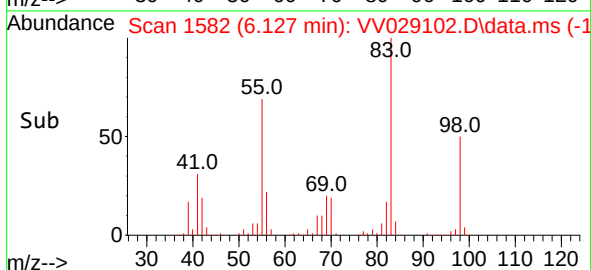
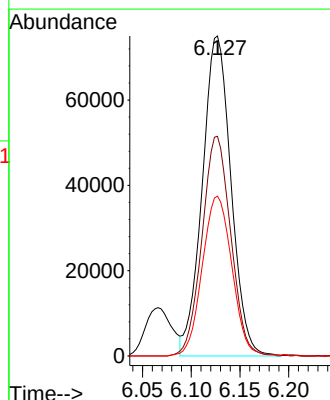
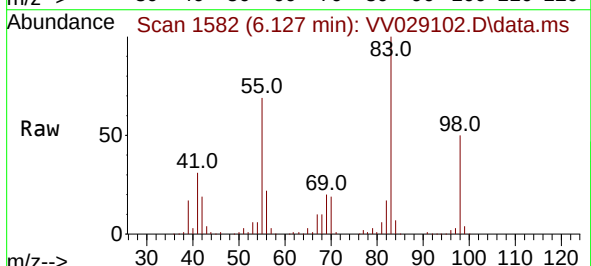
Tgt Ion: 83 Resp: 153863

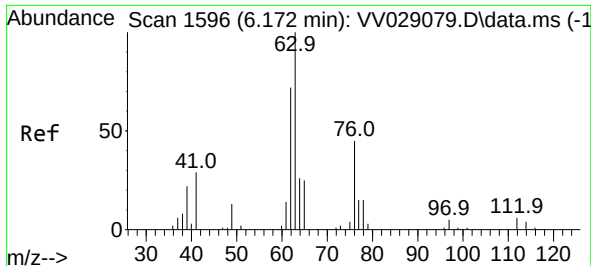
Ion Ratio Lower Upper

83 100

55 68.8 55.8 83.6

98 51.5 38.2 57.2





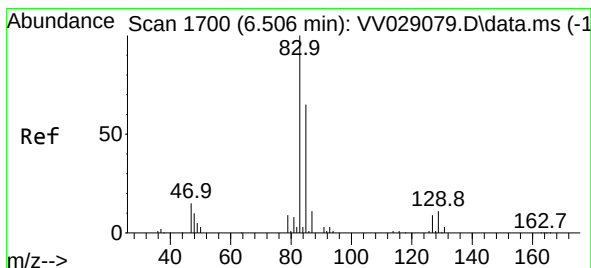
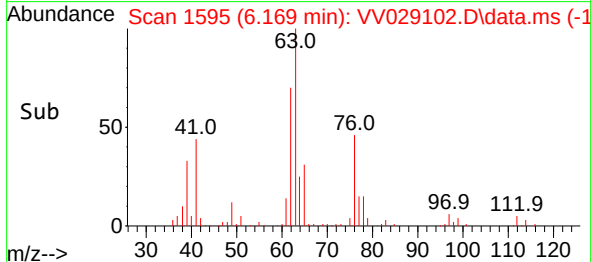
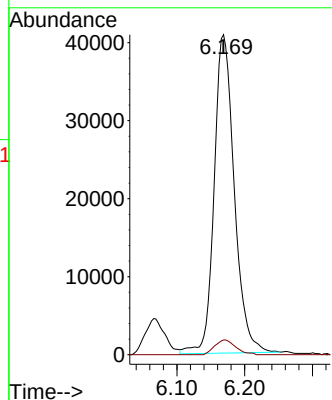
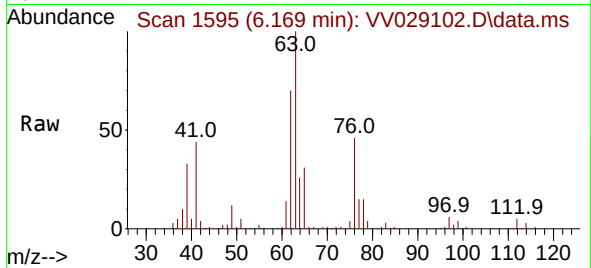
#37
1,2-Dichloropropane
Concen: 4.970 ug/L
RT: 6.169 min Scan# 1595
Delta R.T. -0.003 min
Lab File: VV029102.D
Acq: 18 Nov 2022 07:05

Instrument :
MSVOA_V
ClientSampleId :
H46E7MS

Tgt Ion: 63 Resp: 8431
Ion Ratio Lower Upper
63 100
112 4.8 4.0 6.0

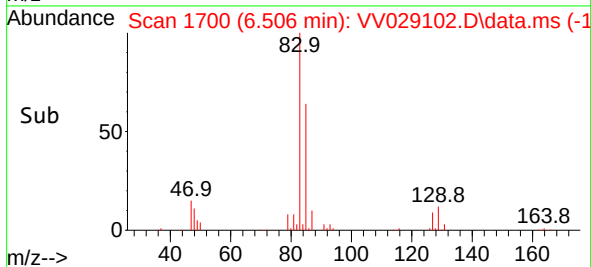
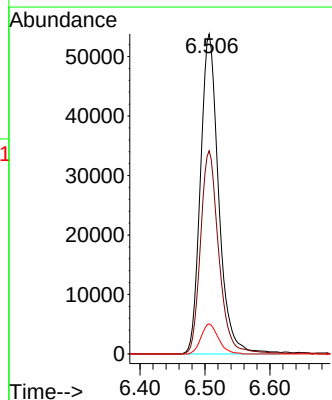
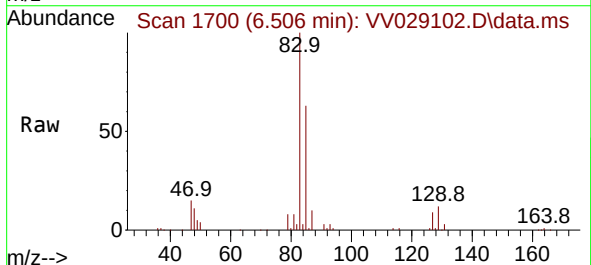
Manual Integrations
APPROVED

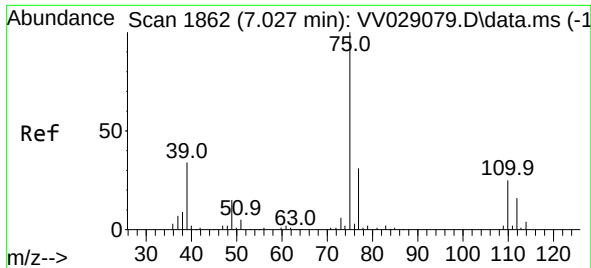
Reviewed By :Krupa Patel 11/18/2022
Supervised By :Mahesh Dadoda 11/18/2022



#38
Bromodichloromethane
Concen: 4.891 ug/L
RT: 6.506 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VV029102.D
Acq: 18 Nov 2022 07:05

Tgt Ion: 83 Resp: 105083
Ion Ratio Lower Upper
83 100
85 63.5 46.1 85.5
127 9.4 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 4.416 ug/L

RT: 7.024 min Scan# 1861

Delta R.T. -0.003 min

Lab File: VV029102.D

Acq: 18 Nov 2022 07:05

Instrument :

MSVOA_V

ClientSampleId :

H46E7MS

Tgt Ion: 75 Resp: 10458

Ion Ratio Lower Upper

75 100

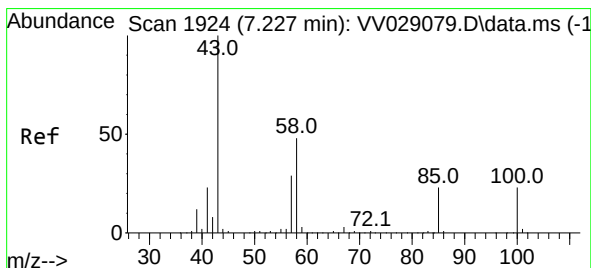
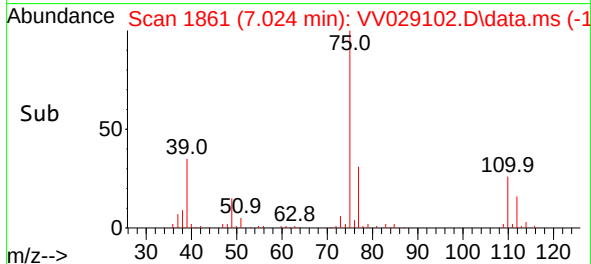
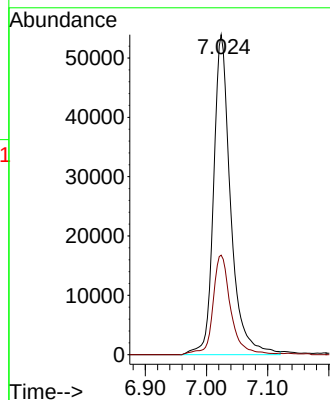
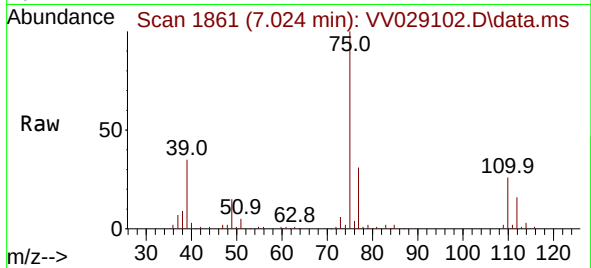
77 31.1 21.8 40.6

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 11/18/2022

Supervised By :Mahesh Dadoda 11/18/2022



#40

4-Methyl-2-pentanone

Concen: 53.244 ug/L

RT: 7.223 min Scan# 1923

Delta R.T. -0.003 min

Lab File: VV029102.D

Acq: 18 Nov 2022 07:05

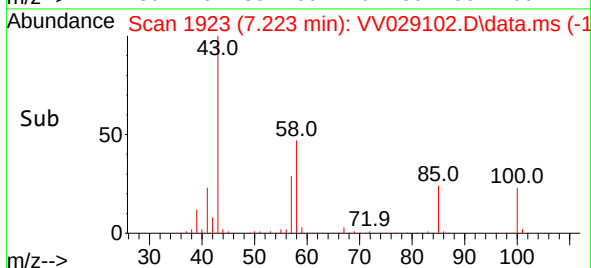
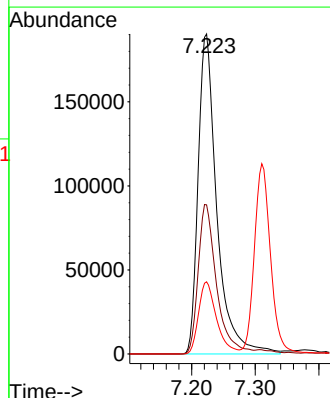
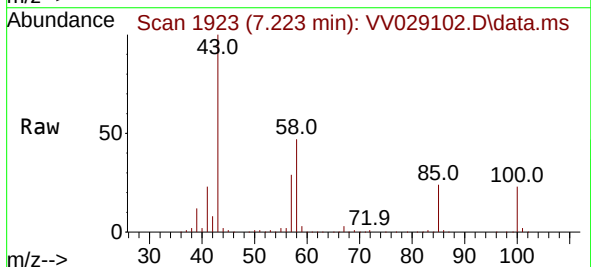
Tgt Ion: 43 Resp: 388627

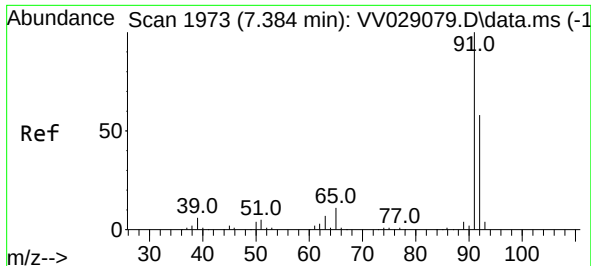
Ion Ratio Lower Upper

43 100

58 45.9 36.6 55.0

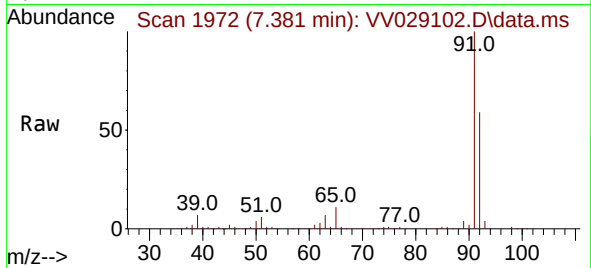
100 21.7 14.5 21.7





#42
Toluene
Concen: 5.225 ug/L
RT: 7.381 min Scan# 1973
Delta R.T. -0.003 min
Lab File: VV029102.D
Acq: 18 Nov 2022 07:05

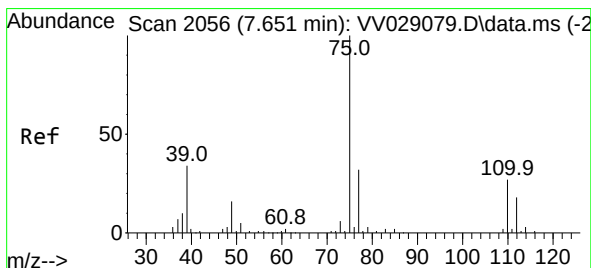
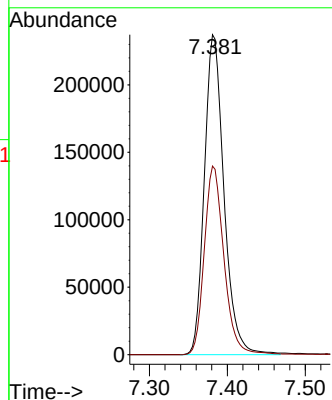
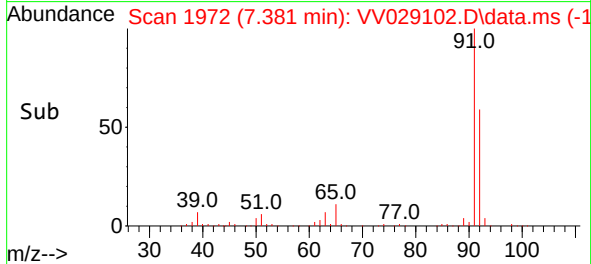
Instrument :
MSVOA_V
ClientSampleId :
H46E7MS



Tgt Ion: 91 Resp: 415290
Ion Ratio Lower Upper
91 100
92 58.9 40.7 75.5

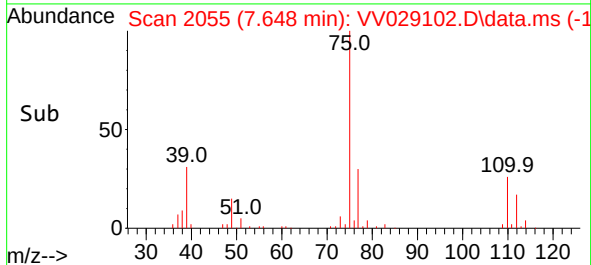
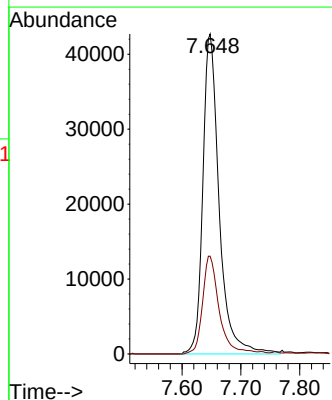
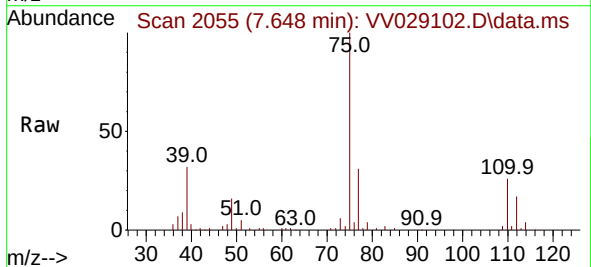
Manual Integrations
APPROVED

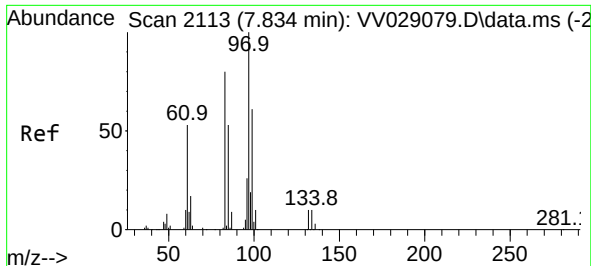
Reviewed By :Krupa Patel 11/18/2022
Supervised By :Mahesh Dadoda 11/18/2022



#44
trans-1,3-Dichloropropene
Concen: 4.468 ug/L
RT: 7.648 min Scan# 2055
Delta R.T. -0.003 min
Lab File: VV029102.D
Acq: 18 Nov 2022 07:05

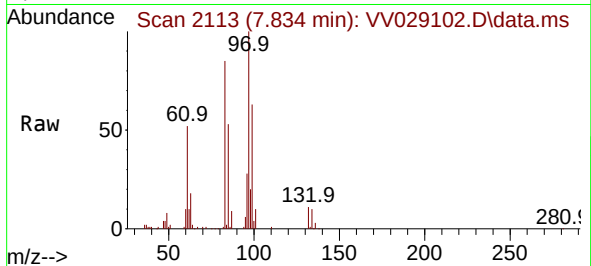
Tgt Ion: 75 Resp: 82151
Ion Ratio Lower Upper
75 100
77 30.6 22.2 41.2





#45
1,1,2-Trichloroethane
Concen: 5.613 ug/L
RT: 7.834 min Scan# 2113
Delta R.T. -0.000 min
Lab File: VV029102.D
Acq: 18 Nov 2022 07:05

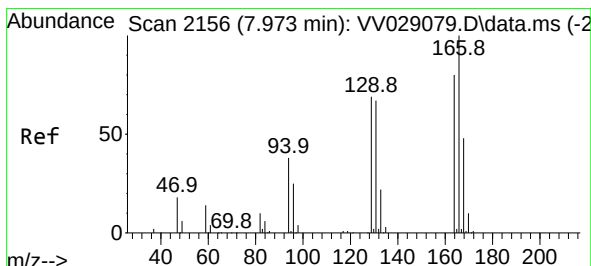
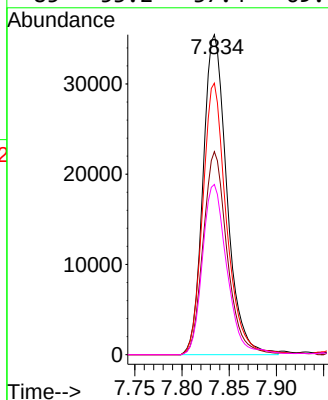
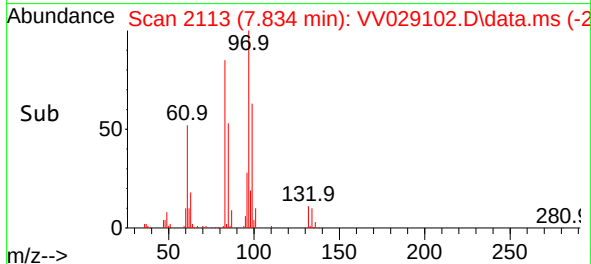
Instrument : MSVOA_V
ClientSampleId : H46E7MS



Tgt Ion:	97	Resp:	6233
Ion Ratio	100	Lower	Upper
97	100		
99	63.4	41.5	77.1
83	84.9	60.0	111.4
85	53.2	37.4	69.4

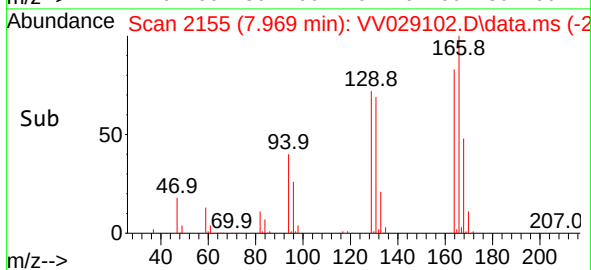
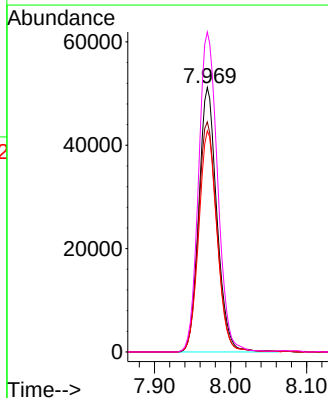
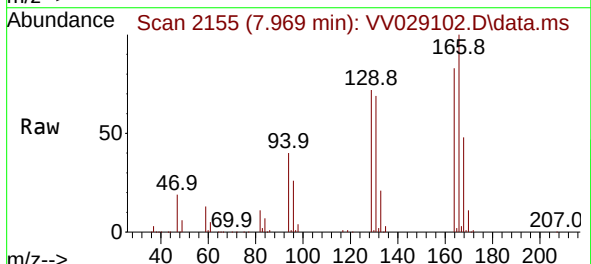
Manual Integrations
APPROVED

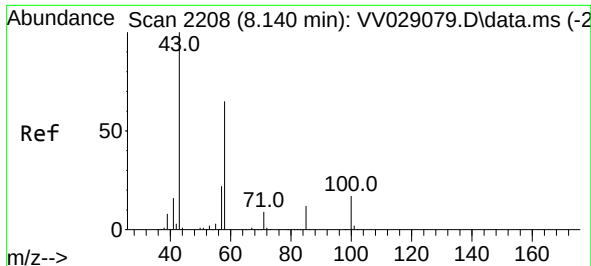
Reviewed By :Krupa Patel 11/18/2022
Supervised By :Mahesh Dadoda 11/18/2022



#47
Tetrachloroethene
Concen: 5.623 ug/L
RT: 7.969 min Scan# 2155
Delta R.T. -0.003 min
Lab File: VV029102.D
Acq: 18 Nov 2022 07:05

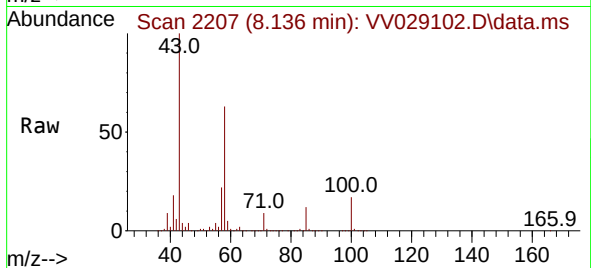
Tgt Ion:	164	Resp:	84796
Ion Ratio	100	Lower	Upper
164	100		
129	87.0	63.9	118.7
131	83.6	61.8	114.8
166	121.0	90.2	167.4





#48
2-Hexanone
Concen: 54.877 ug/L
RT: 8.136 min Scan# 2207
Delta R.T. -0.003 min
Lab File: VV029102.D
Acq: 18 Nov 2022 07:05

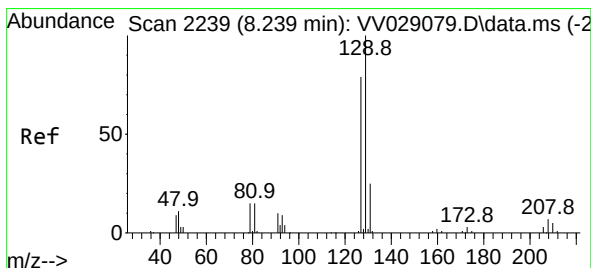
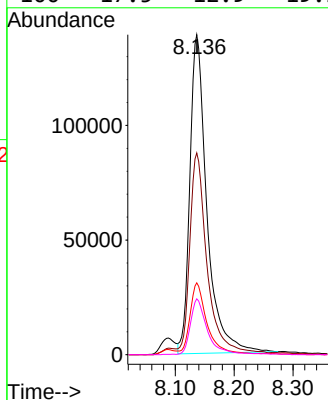
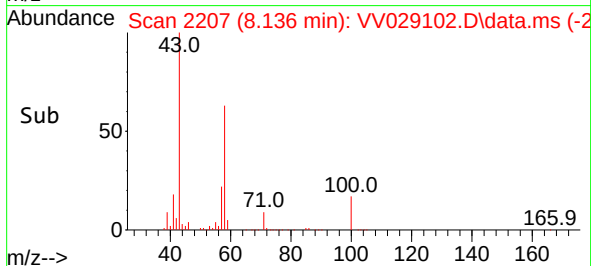
Instrument :
MSVOA_V
ClientSampleId :
H46E7MS



Tgt Ion: 43 Resp: 280580
Ion Ratio Lower Upper
43 100
58 63.2 50.2 75.4
57 21.8 17.8 26.8
100 17.5 12.9 19.3

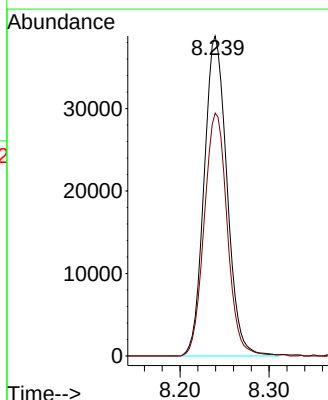
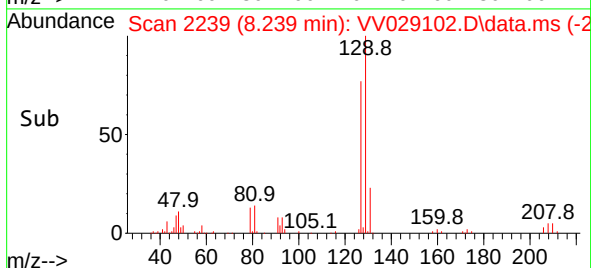
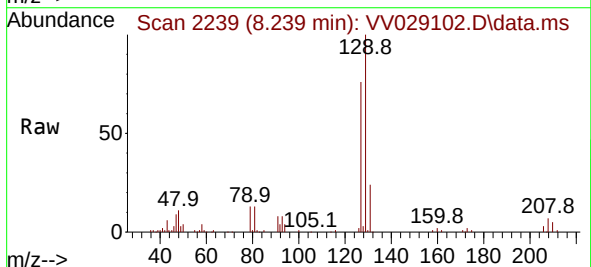
Manual Integrations
APPROVED

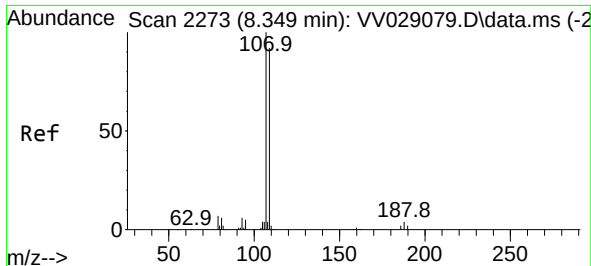
Reviewed By :Krupa Patel 11/18/2022
Supervised By :Mahesh Dadoda 11/18/2022



#49
Dibromochloromethane
Concen: 5.146 ug/L
RT: 8.239 min Scan# 2239
Delta R.T. -0.000 min
Lab File: VV029102.D
Acq: 18 Nov 2022 07:05

Tgt Ion:129 Resp: 69099
Ion Ratio Lower Upper
129 100
127 75.9 54.5 101.1





#50

1,2-Dibromoethane

Concen: 5.672 ug/L

RT: 8.345 min Scan# 21

Delta R.T. -0.003 min

Lab File: VV029102.D

Acq: 18 Nov 2022 07:05

Instrument :

MSVOA_V

ClientSampleId :

H46E7MS

Tgt Ion:107 Resp: 58518

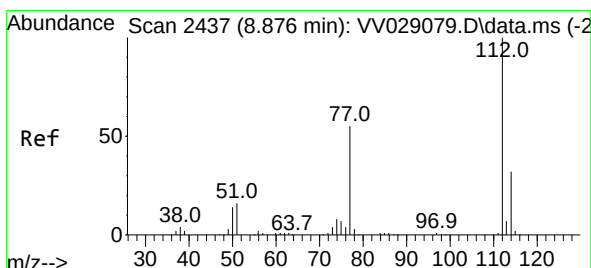
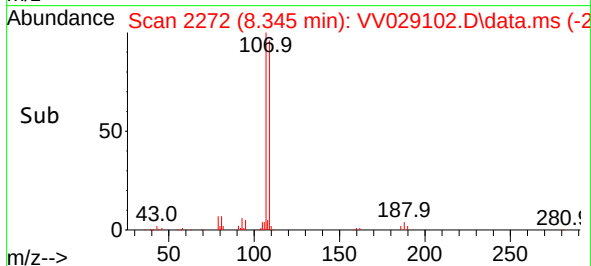
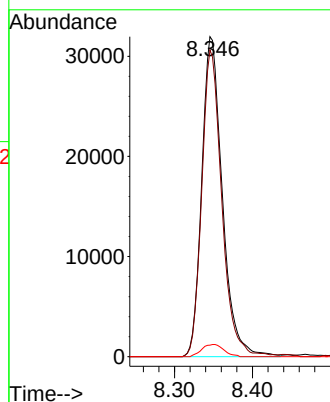
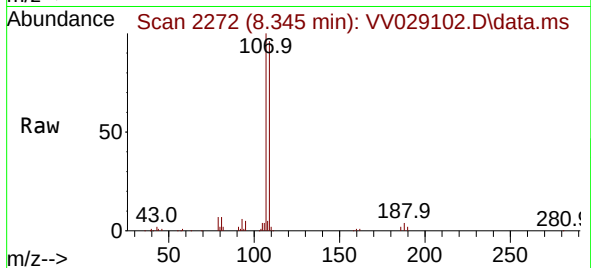
Ion	Ratio	Lower	Upper
107	100		
109	95.8	64.4	119.6
188	3.6	2.9	4.3

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 11/18/2022

Supervised By :Mahesh Dadoda 11/18/2022



#51

Chlorobenzene

Concen: 5.565 ug/L

RT: 8.876 min Scan# 2437

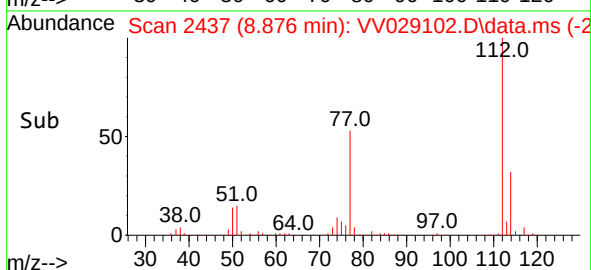
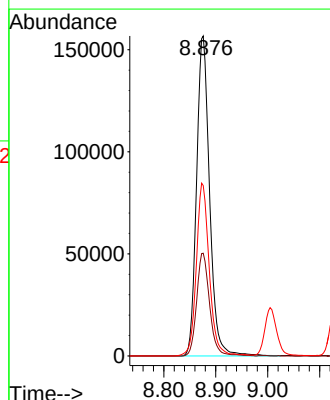
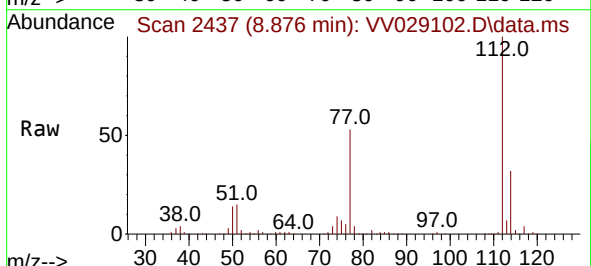
Delta R.T. -0.000 min

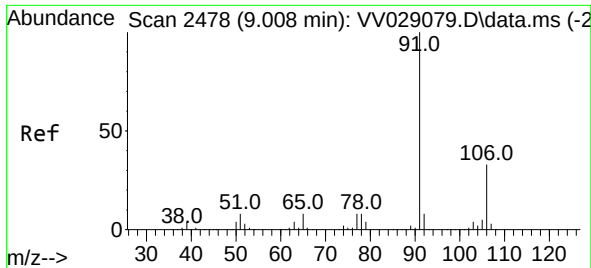
Lab File: VV029102.D

Acq: 18 Nov 2022 07:05

Tgt Ion:112 Resp: 273456

Ion	Ratio	Lower	Upper
112	100		
114	32.1	22.4	41.6
77	53.3	44.4	66.6





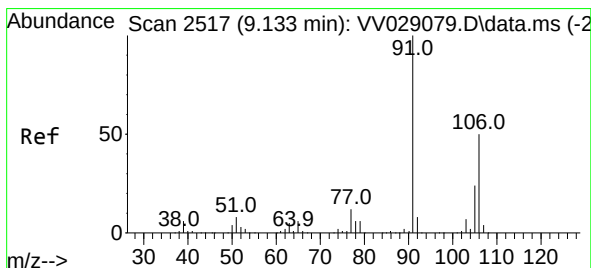
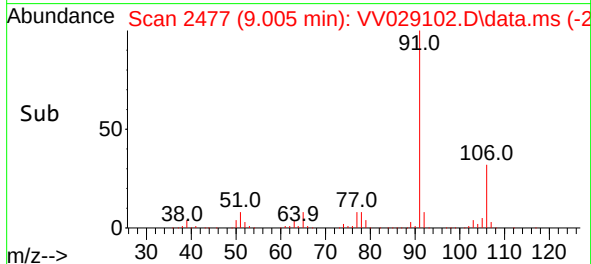
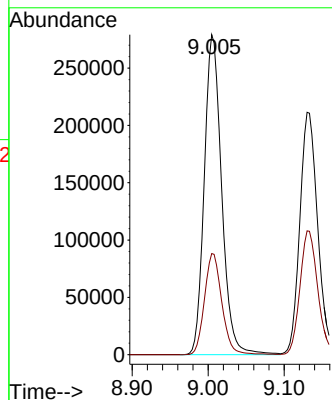
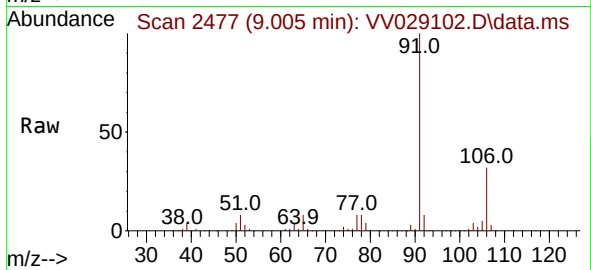
#52
Ethylbenzene
Concen: 5.369 ug/L
RT: 9.005 min Scan# 2478
Delta R.T. -0.003 min
Lab File: VV029102.D
Acq: 18 Nov 2022 07:05

Instrument :
MSVOA_V
ClientSampleId :
H46E7MS

Tgt Ion: 91 Resp: 44427
Ion Ratio Lower Upper
91 100
106 31.6 21.6 40.2

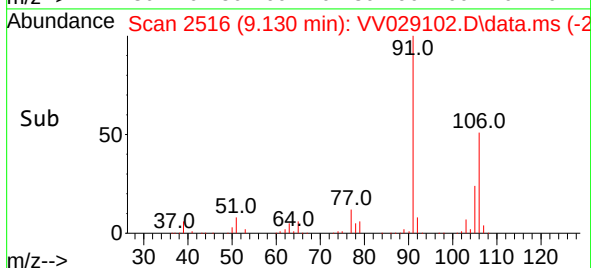
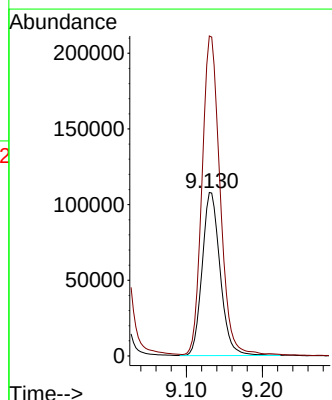
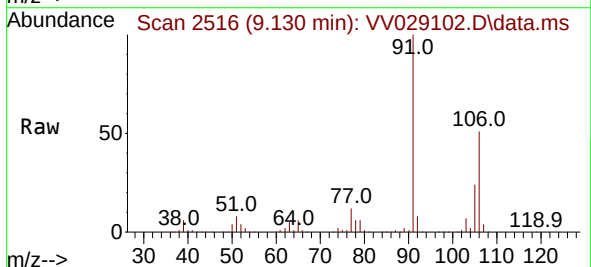
Manual Integrations
APPROVED

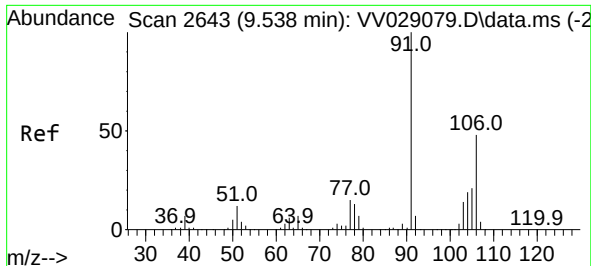
Reviewed By :Krupa Patel 11/18/2022
Supervised By :Mahesh Dadoda 11/18/2022



#53
m,p-Xylene
Concen: 5.382 ug/L
RT: 9.130 min Scan# 2516
Delta R.T. -0.003 min
Lab File: VV029102.D
Acq: 18 Nov 2022 07:05

Tgt Ion:106 Resp: 177102
Ion Ratio Lower Upper
106 100
91 195.8 139.1 258.3





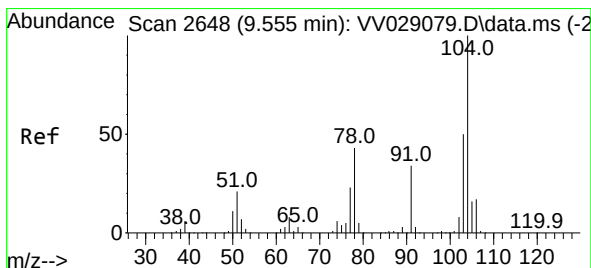
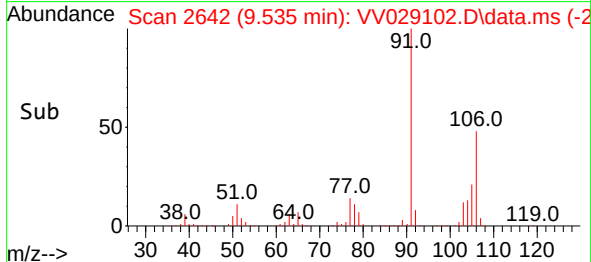
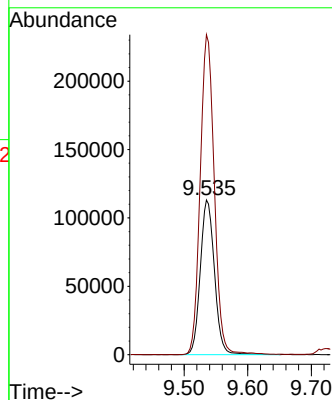
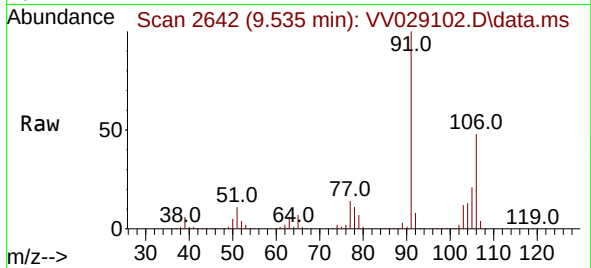
#54
o-Xylene
Concen: 5.597 ug/L
RT: 9.535 min Scan# 2643
Delta R.T. -0.003 min
Lab File: VV029102.D
Acq: 18 Nov 2022 07:05

Instrument :
MSVOA_V
ClientSampleId :
H46E7MS

Tgt Ion:106 Resp: 17508
Ion Ratio Lower Upper
106 100
91 206.7 145.7 270.7

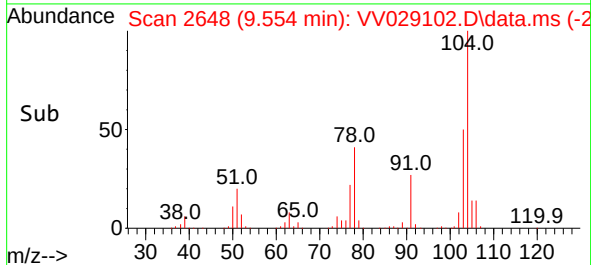
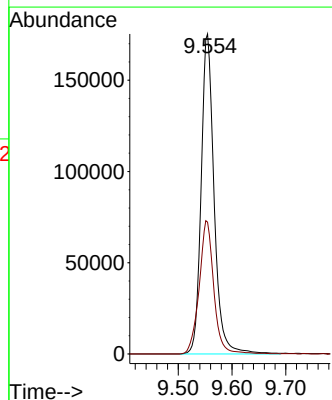
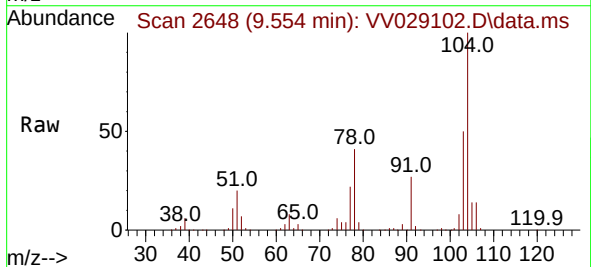
Manual Integrations
APPROVED

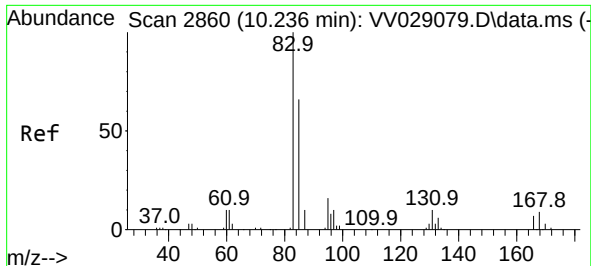
Reviewed By :Krupa Patel 11/18/2022
Supervised By :Mahesh Dadoda 11/18/2022



#55
Styrene
Concen: 5.610 ug/L
RT: 9.554 min Scan# 2648
Delta R.T. -0.000 min
Lab File: VV029102.D
Acq: 18 Nov 2022 07:05

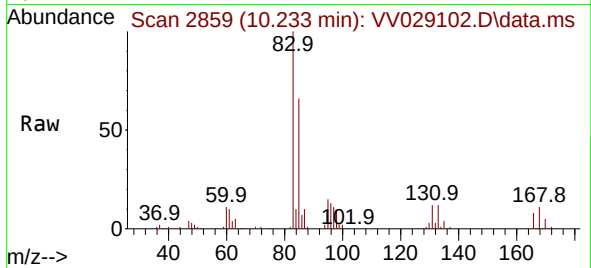
Tgt Ion:104 Resp: 294333
Ion Ratio Lower Upper
104 100
78 41.2 30.1 55.9





#57
1,1,2,2-Tetrachloroethane
Concen: 5.655 ug/L
RT: 10.233 min Scan# 2859
Delta R.T. -0.003 min
Lab File: VV029102.D
Acq: 18 Nov 2022 07:05

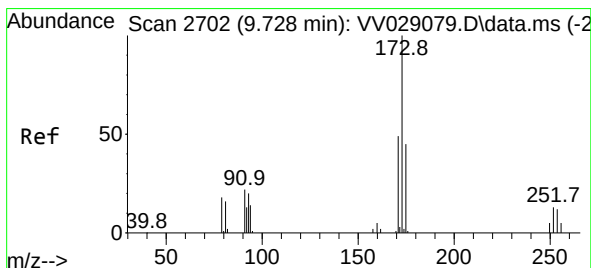
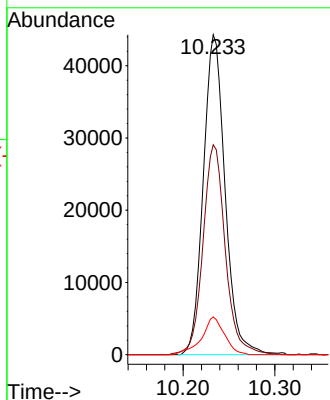
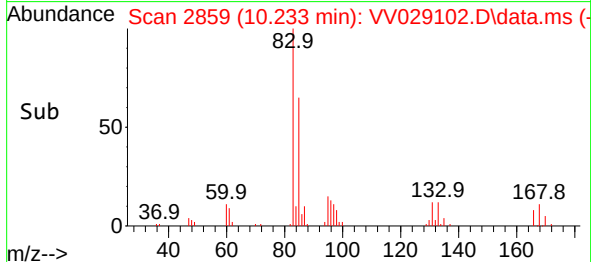
Instrument : MSVOA_V
ClientSampleId : H46E7MS



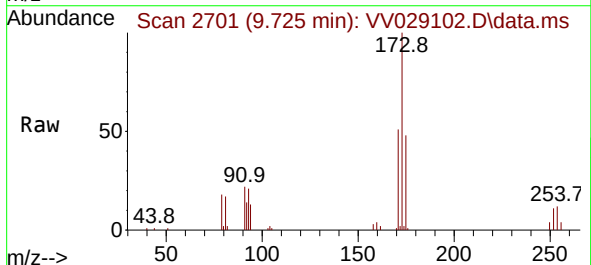
Tgt Ion: 83 Resp: 7319
Ion Ratio Lower Upper
83 100
85 65.6 45.2 84.0
131 11.8 7.5 11.3

Manual Integrations
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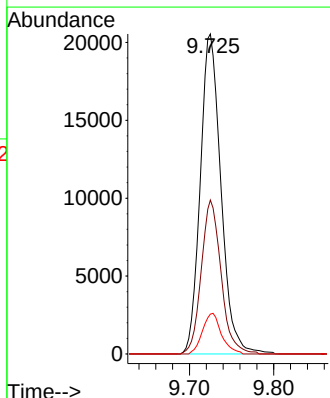
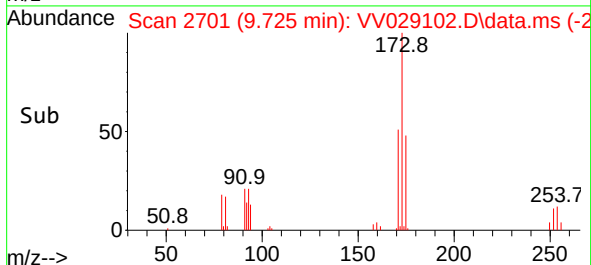
Reviewed By :Krupa Patel 11/18/2022
Supervised By :Mahesh Dadoda 11/18/2022

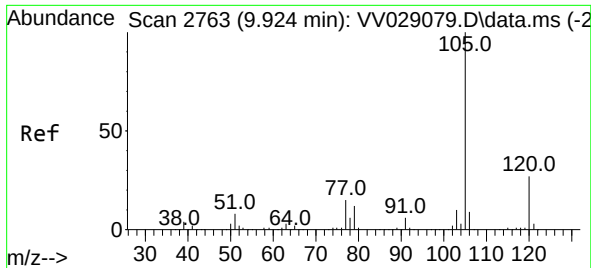


#59
Bromoform
Concen: 4.977 ug/L
RT: 9.725 min Scan# 2701
Delta R.T. -0.003 min
Lab File: VV029102.D
Acq: 18 Nov 2022 07:05



Tgt Ion:173 Resp: 35166
Ion Ratio Lower Upper
173 100
175 45.9 38.2 57.4
254 11.6 8.5 12.7





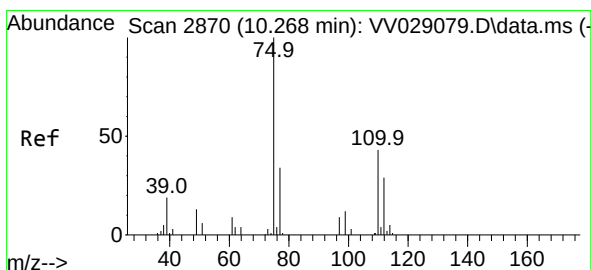
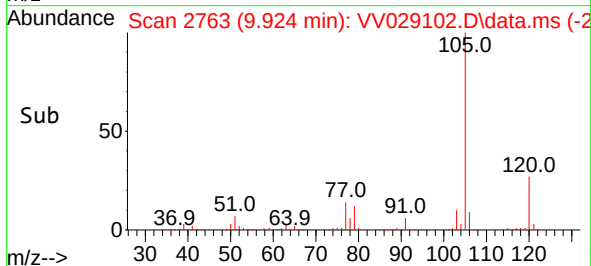
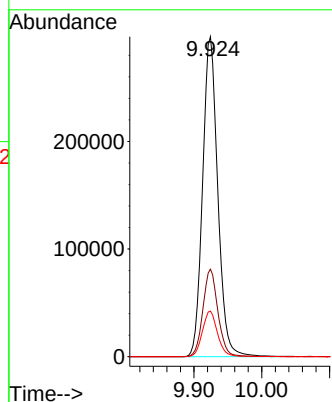
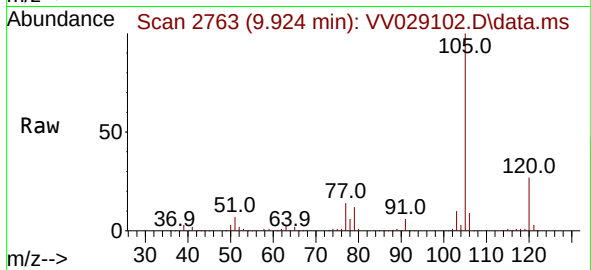
#60
Isopropylbenzene
Concen: 5.484 ug/L
RT: 9.924 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV029102.D
Acq: 18 Nov 2022 07:05

Instrument :
MSVOA_V
ClientSampleId :
H46E7MS

Tgt Ion:105 Resp: 461375
Ion Ratio Lower Upper
105 100
120 27.1 21.3 31.9
77 14.3 11.8 17.8

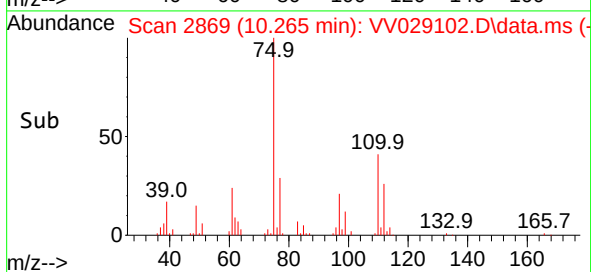
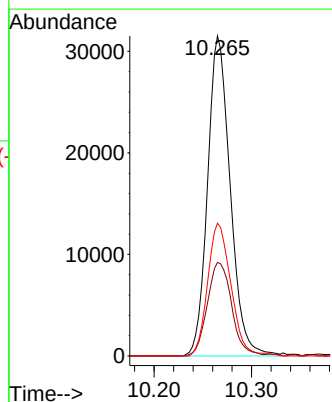
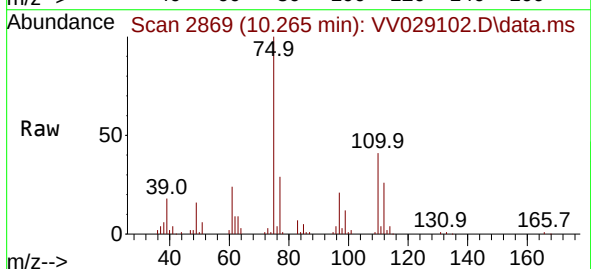
Manual Integrations
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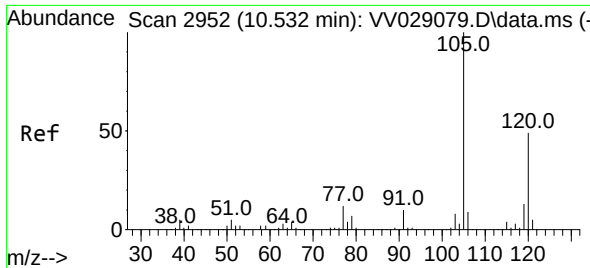
Reviewed By :Krupa Patel 11/18/2022
Supervised By :Mahesh Dadoda 11/18/2022



#61
1,2,3-Trichloropropane
Concen: 5.748 ug/L
RT: 10.265 min Scan# 2869
Delta R.T. -0.003 min
Lab File: VV029102.D
Acq: 18 Nov 2022 07:05

Tgt Ion: 75 Resp: 50915
Ion Ratio Lower Upper
75 100
77 31.3 26.2 39.2
110 42.6 32.6 48.8





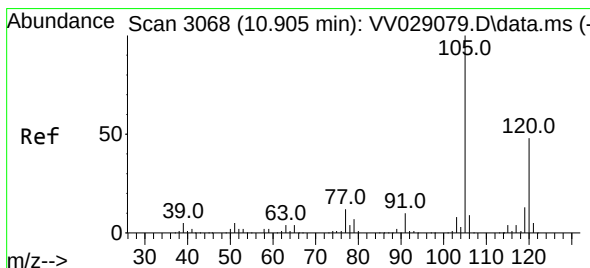
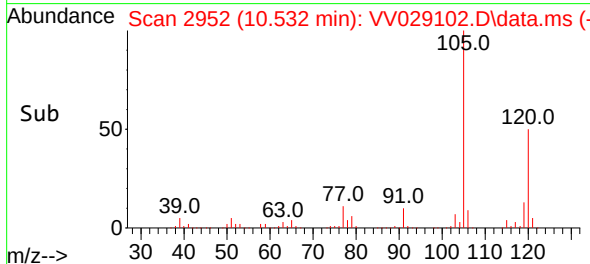
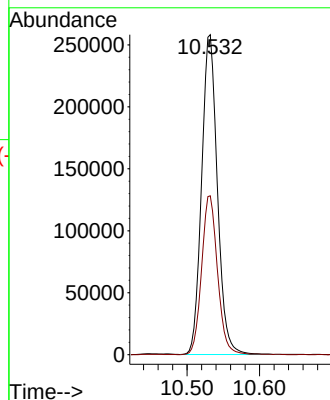
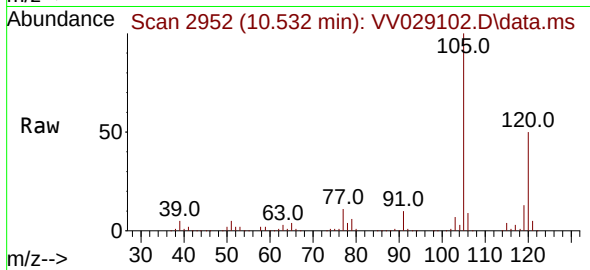
#62
1,3,5-Trimethylbenzene
Concen: 5.470 ug/L
RT: 10.532 min Scan# 2952
Delta R.T. -0.000 min
Lab File: VV029102.D
Acq: 18 Nov 2022 07:05

Instrument :
MSVOA_V
ClientSampleId :
H46E7MS

Tgt Ion:105 Resp: 389850
Ion Ratio Lower Upper
105 100
120 50.1 39.9 59.9

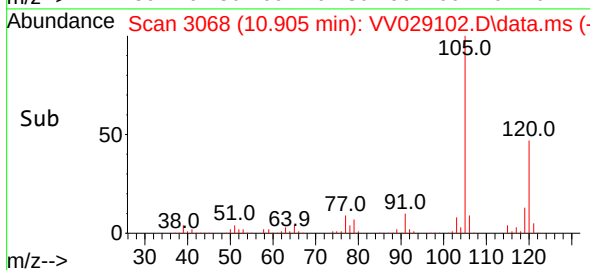
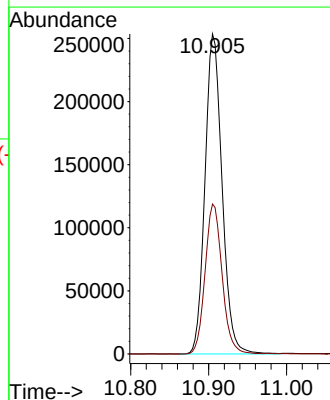
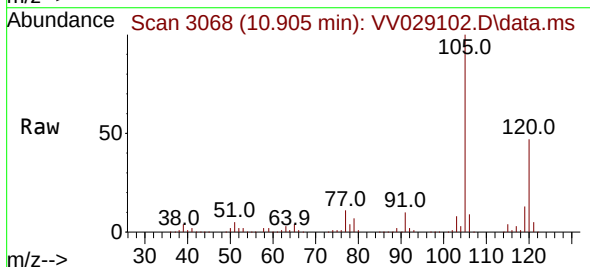
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APPROVED

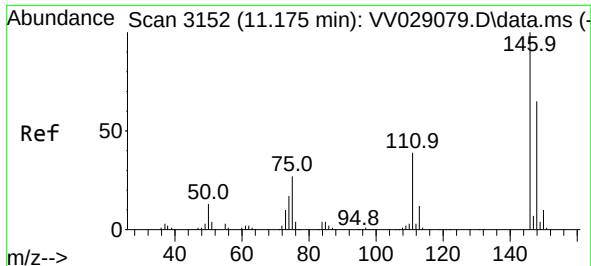
Reviewed By :Krupa Patel 11/18/2022
Supervised By :Mahesh Dadoda 11/18/2022



#63
1,2,4-Trimethylbenzene
Concen: 5.413 ug/L
RT: 10.905 min Scan# 3068
Delta R.T. -0.000 min
Lab File: VV029102.D
Acq: 18 Nov 2022 07:05

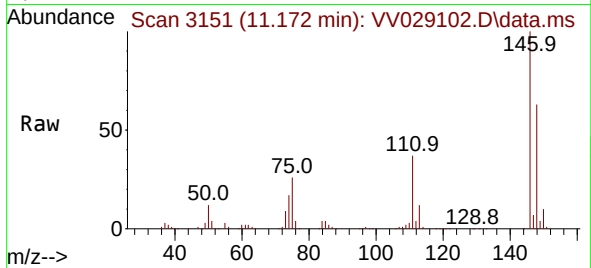
Tgt Ion:105 Resp: 386430
Ion Ratio Lower Upper
105 100
120 46.6 37.8 56.8





#64
1,3-Dichlorobenzene
Concen: 5.617 ug/L
RT: 11.172 min Scan# 3152
Delta R.T. -0.003 min
Lab File: VV029102.D
Acq: 18 Nov 2022 07:05

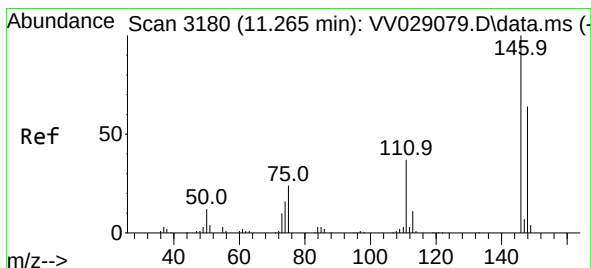
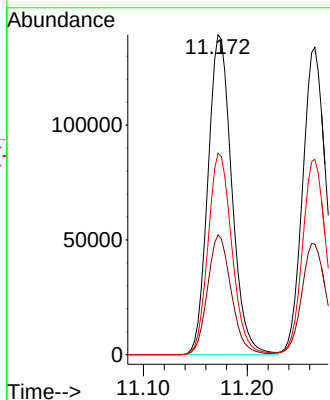
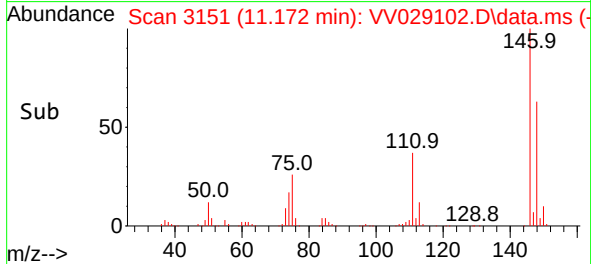
Instrument :
MSVOA_V
ClientSampleId :
H46E7MS



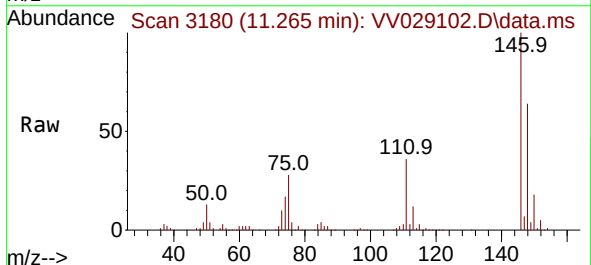
Tgt Ion:146 Resp: 222029
Ion Ratio Lower Upper
146 100
111 37.5 26.9 50.1
148 63.0 44.1 81.9

Manual Integrations
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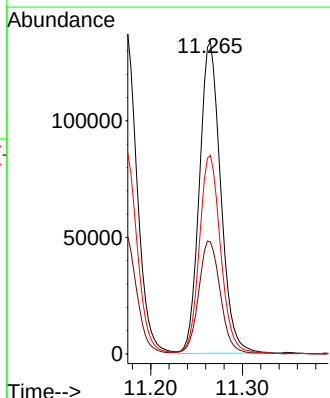
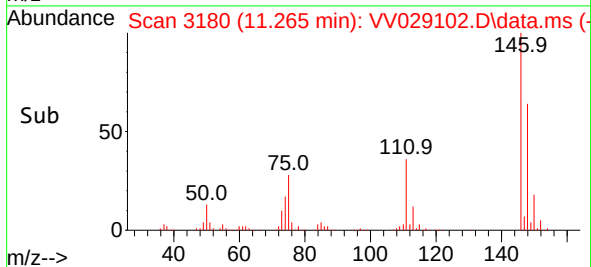
Reviewed By :Krupa Patel 11/18/2022
Supervised By :Mahesh Dadoda 11/18/2022

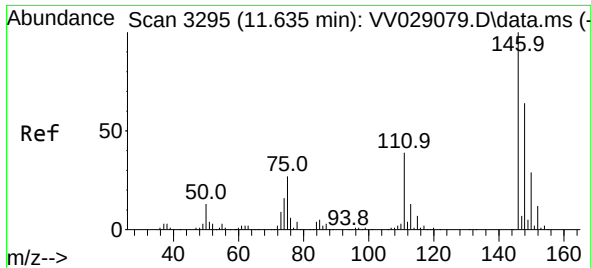


#65
1,4-Dichlorobenzene
Concen: 5.419 ug/L
RT: 11.265 min Scan# 3180
Delta R.T. -0.000 min
Lab File: VV029102.D
Acq: 18 Nov 2022 07:05



Tgt Ion:146 Resp: 215372
Ion Ratio Lower Upper
146 100
111 35.9 26.5 49.3
148 63.6 44.5 82.7





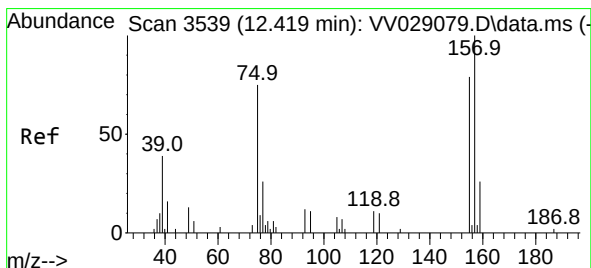
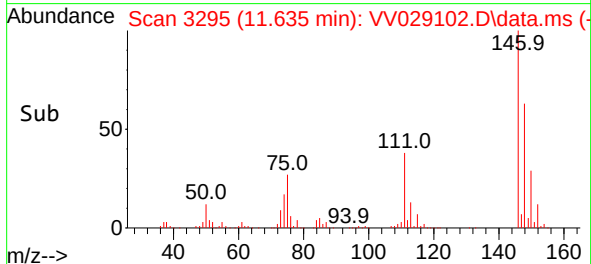
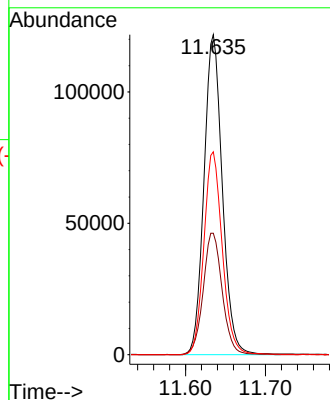
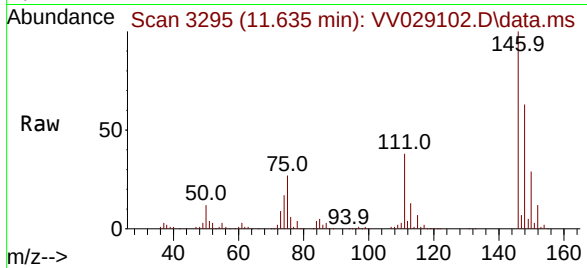
#67
1,2-Dichlorobenzene
Concen: 5.477 ug/L
RT: 11.635 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV029102.D
Acq: 18 Nov 2022 07:05

Instrument :
MSVOA_V
ClientSampleId :
H46E7MS

Tgt Ion:146 Resp: 194544
Ion Ratio Lower Upper
146 100
111 38.0 32.4 48.6
148 63.4 49.4 74.2

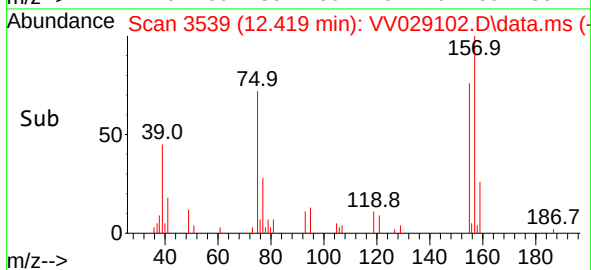
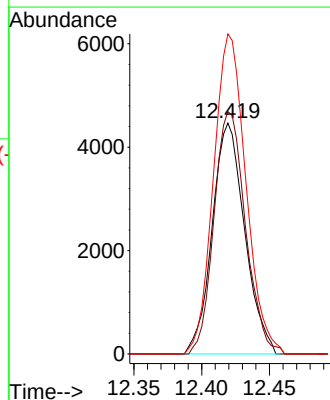
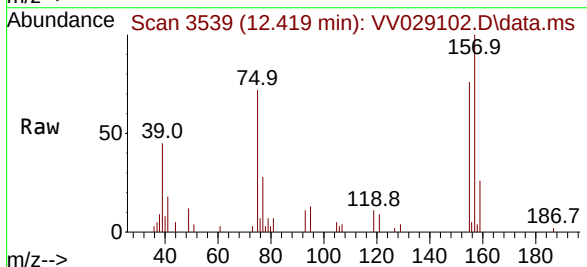
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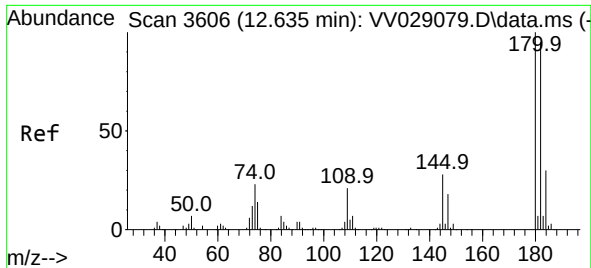
Reviewed By :Krupa Patel 11/18/2022
Supervised By :Mahesh Dadoda 11/18/2022



#68
1,2-Dibromo-3-chloropropane
Concen: 4.271 ug/L
RT: 12.419 min Scan# 3539
Delta R.T. -0.000 min
Lab File: VV029102.D
Acq: 18 Nov 2022 07:05

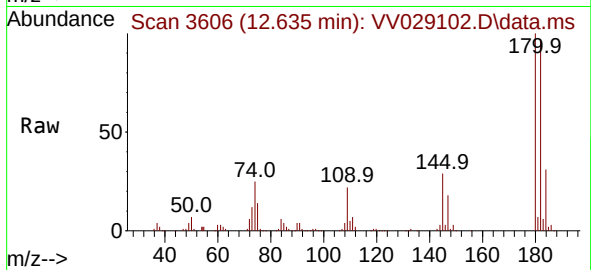
Tgt Ion: 75 Resp: 7443
Ion Ratio Lower Upper
75 100
155 105.0 64.8 97.2#
157 138.6 86.3 129.5#





#69
 1,3,5-Trichlorobenzene
 Concen: 5.146 ug/L
 RT: 12.635 min Scan# 3606
 Delta R.T. -0.000 min
 Lab File: VV029102.D
 Acq: 18 Nov 2022 07:05

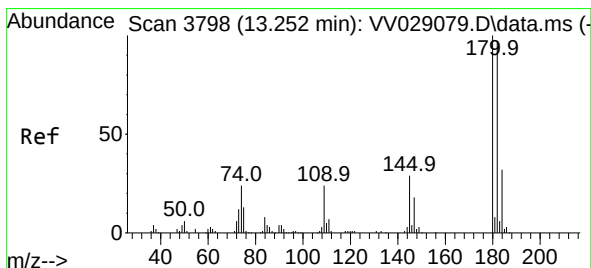
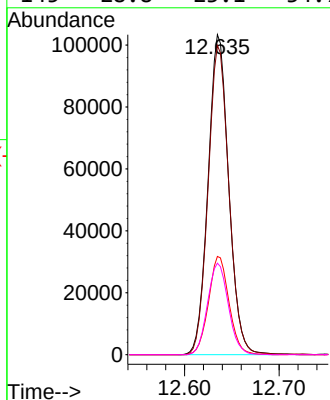
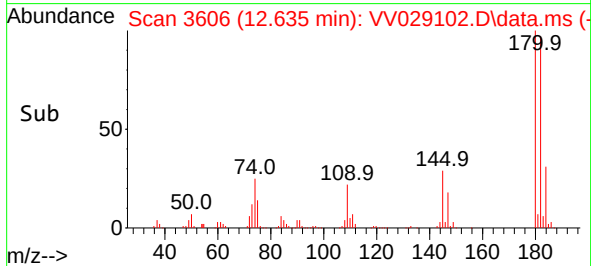
Instrument :
 MSVOA_V
 ClientSampleId :
 H46E7MS



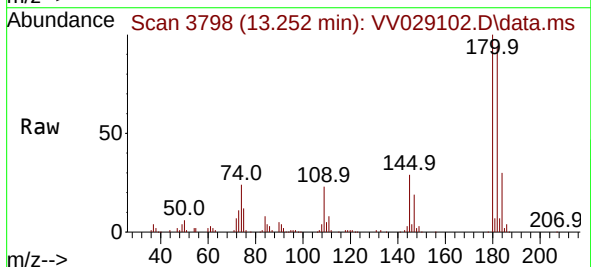
Tgt Ion:180 Resp: 156932
 Ion Ratio Lower Upper
 180 100
 182 97.4 76.7 115.1
 184 30.5 24.0 36.0
 145 28.8 23.1 34.7

Manual Integrations
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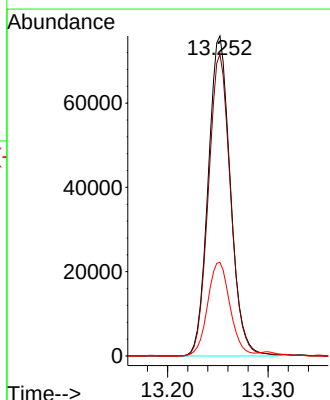
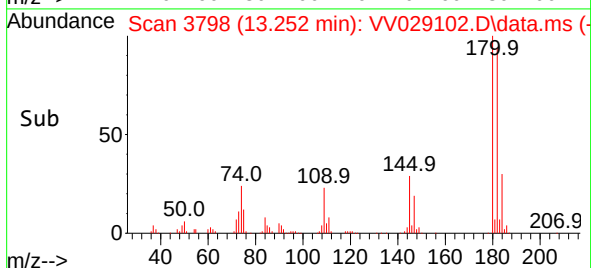
Reviewed By :Krupa Patel 11/18/2022
 Supervised By :Mahesh Dadoda 11/18/2022

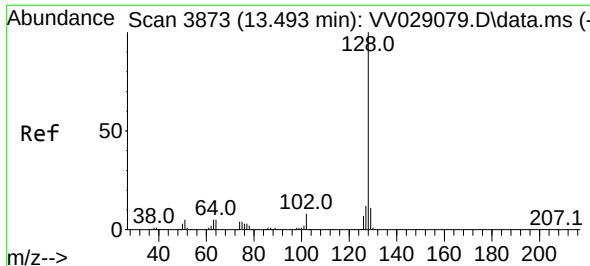


#70
 1,2,4-trichlorobenzene
 Concen: 5.040 ug/L
 RT: 13.252 min Scan# 3798
 Delta R.T. -0.000 min
 Lab File: VV029102.D
 Acq: 18 Nov 2022 07:05



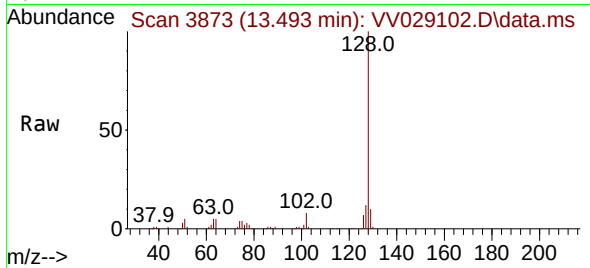
Tgt Ion:180 Resp: 116257
 Ion Ratio Lower Upper
 180 100
 182 94.7 74.3 111.5
 145 29.8 23.7 35.5





#71
Naphthalene
Concen: 4.832 ug/L
RT: 13.493 min Scan# 3873
Delta R.T. -0.000 min
Lab File: VV029102.D
Acq: 18 Nov 2022 07:05

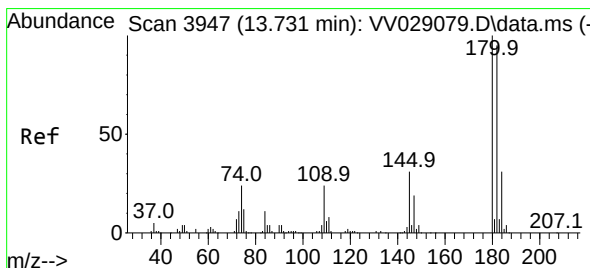
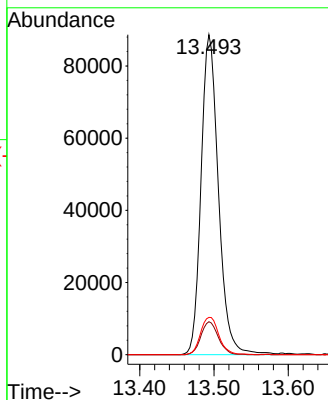
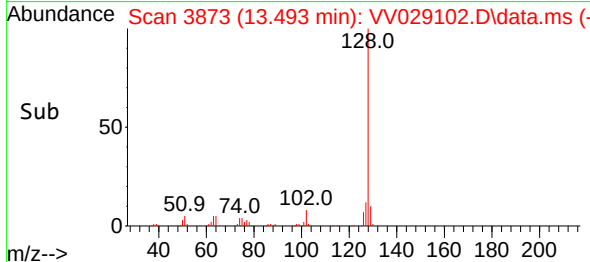
Instrument :
MSVOA_V
ClientSampleId :
H46E7MS



Tgt Ion:128 Resp: 143820
Ion Ratio Lower Upper
128 100
129 10.4 8.8 13.2
127 12.4 9.8 14.8

Manual Integrations
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Reviewed By :Krupa Patel 11/18/2022
Supervised By :Mahesh Dadoda 11/18/2022



#72
1,2,3-Trichlorobenzene
Concen: 5.264 ug/L
RT: 13.731 min Scan# 3947
Delta R.T. -0.000 min
Lab File: VV029102.D
Acq: 18 Nov 2022 07:05

Tgt Ion:180 Resp: 102844
Ion Ratio Lower Upper
180 100
182 93.9 75.4 113.2
145 31.0 24.9 37.3

