

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW051923\
 Data File : VW031125.D
 Acq On : 19 May 2023 22:39
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050347

Quant Time: May 20 00:40:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM051923WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat May 20 00:29:13 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Krupa Patel 05/25/2023
 Supervised By :Mahesh Dadoda 05/25/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	289865	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	281898	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	157086	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	108737	43.894	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	87.780%		
7) Chloroethane-d5	1.535	69	101437	53.153	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	106.300%		
11) 1,1-Dichloroethene-d2	2.063	65	50938	43.849	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	87.700%		
21) 2-Butanone-d5	3.799	46	124785	94.535	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	94.530%		
24) Chloroform-d	4.256	84	197446	45.054	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.100%		
26) 1,2-Dichloroethane-d4	4.947	65	138615	46.807	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.620%		
32) Benzene-d6	4.966	84	356528	46.654	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	93.300%		
36) 1,2-Dichloropropane-d6	5.995	67	104922	45.886	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	91.780%		
41) Toluene-d8	7.249	98	334051	46.835	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	93.680%		
43) trans-1,3-Dichloroprop...	7.558	79	53163	46.342	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	92.680%		
47) 2-Hexanone-d5	8.030	63	82036	92.018	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	92.020%		
56) 1,1,2,2-Tetrachloroeth...	10.159	84	153778	44.839	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	89.680%		
66) 1,2-Dichlorobenzene-d4	11.567	152	134508	47.650	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	95.300%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.108	85	88576	47.333	ug/L	98
3) Chloromethane	1.217	50	102173	49.871	ug/L	96
5) Vinyl chloride	1.288	62	89810	49.079	ug/L	97
6) Bromomethane	1.490	94	51247	49.971	ug/L	98
8) Chloroethane	1.551	64	67322	57.093	ug/L	97
9) Trichlorofluoromethane	1.715	101	169963	47.222	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	88669	46.716	ug/L	98
12) 1,1-Dichloroethene	2.076	96	74487	46.261	ug/L	94
13) Acetone	2.127	43	108969m	63.499	ug/L	
14) Carbon disulfide	2.246	76	142836	48.680	ug/L	98
15) Methyl Acetate	2.381	43	97849	50.170	ug/L	98
16) Methylene chloride	2.455	84	85277	47.573	ug/L	98
17) trans-1,2-Dichloroethene	2.699	96	71221	47.841	ug/L	99
18) Methyl tert-butyl Ether	2.709	73	294968	51.291	ug/L	99
19) 1,1-Dichloroethane	3.117	63	166370	49.038	ug/L	99
20) cis-1,2-Dichloroethene	3.825	96	91848	50.048	ug/L	97
22) 2-Butanone	3.879	43	134698	81.852	ug/L	97
23) Bromochloromethane	4.156	128	49383	48.967	ug/L	96
25) Chloroform	4.281	83	184423	48.661	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.047	62	162097	50.409	ug/L	97
29) Cyclohexane	4.590	56	108698	49.002	ug/L	99
30) 1,1,1-Trichloroethane	4.519	97	170550	49.303	ug/L	98
31) Carbon tetrachloride	4.744	117	146612	48.651	ug/L	98
33) Benzene	5.018	78	339646	50.292	ug/L	100
34) Trichloroethene	5.837	95	108204	59.795	ug/L	97
35) Methylcyclohexane	6.059	83	117029	48.737	ug/L	99
37) 1,2-Dichloropropane	6.101	63	89738	48.277	ug/L	99
38) Bromodichloromethane	6.439	83	139923	48.560	ug/L	100
39) cis-1,3-Dichloropropene	6.960	75	142976	49.882	ug/L	99
40) 4-Methyl-2-pentanone	7.165	43	285965	99.976	ug/L	100
42) Toluene	7.323	91	370512	50.708	ug/L	98
44) trans-1,3-Dichloropropene	7.587	75	144211	49.734	ug/L	99
45) 1,1,2-Trichloroethane	7.773	97	100097	49.349	ug/L	98
46) Tetrachloroethene	7.911	164	73265	47.151	ug/L	95
48) 2-Hexanone	8.082	43	224788	94.355	ug/L	99
49) Dibromochloromethane	8.181	129	110153	48.132	ug/L	95
50) 1,2-Dibromoethane	8.288	107	96305	47.755	ug/L	97
51) Chlorobenzene	8.818	112	251245	48.311	ug/L	99
52) Ethylbenzene	8.953	91	407245	48.680	ug/L	99
53) m,p-Xylene	9.079	106	159295	49.088	ug/L	97
54) o-Xylene	9.484	106	159661	49.874	ug/L	99
55) Styrene	9.503	104	283965	50.155	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.185	83	161981	48.603	ug/L	99
59) Bromoform	9.670	173	90244	49.545	ug/L	99
60) Isopropylbenzene	9.873	105	438301	52.171	ug/L	100
61) 1,2,3-Trichloropropane	10.217	75	125244	51.827	ug/L	99
62) 1,3,5-Trimethylbenzene	10.484	105	356240	51.587	ug/L	99
63) 1,2,4-Trimethylbenzene	10.857	105	346666	51.342	ug/L	100
64) 1,3-Dichlorobenzene	11.123	146	214737	49.885	ug/L	98
65) 1,4-Dichlorobenzene	11.213	146	221667	49.498	ug/L	99
67) 1,2-Dichlorobenzene	11.586	146	224696	51.443	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.371	75	33589	45.279	ug/L	96
69) 1,3,5-Trichlorobenzene	12.590	180	142596	42.851	ug/L	100
70) 1,2,4-trichlorobenzene	13.204	180	117347	41.437	ug/L	99
71) Naphthalene	13.445	128	302604	41.137	ug/L	100
72) 1,2,3-Trichlorobenzene	13.686	180	121195	42.826	ug/L	97

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

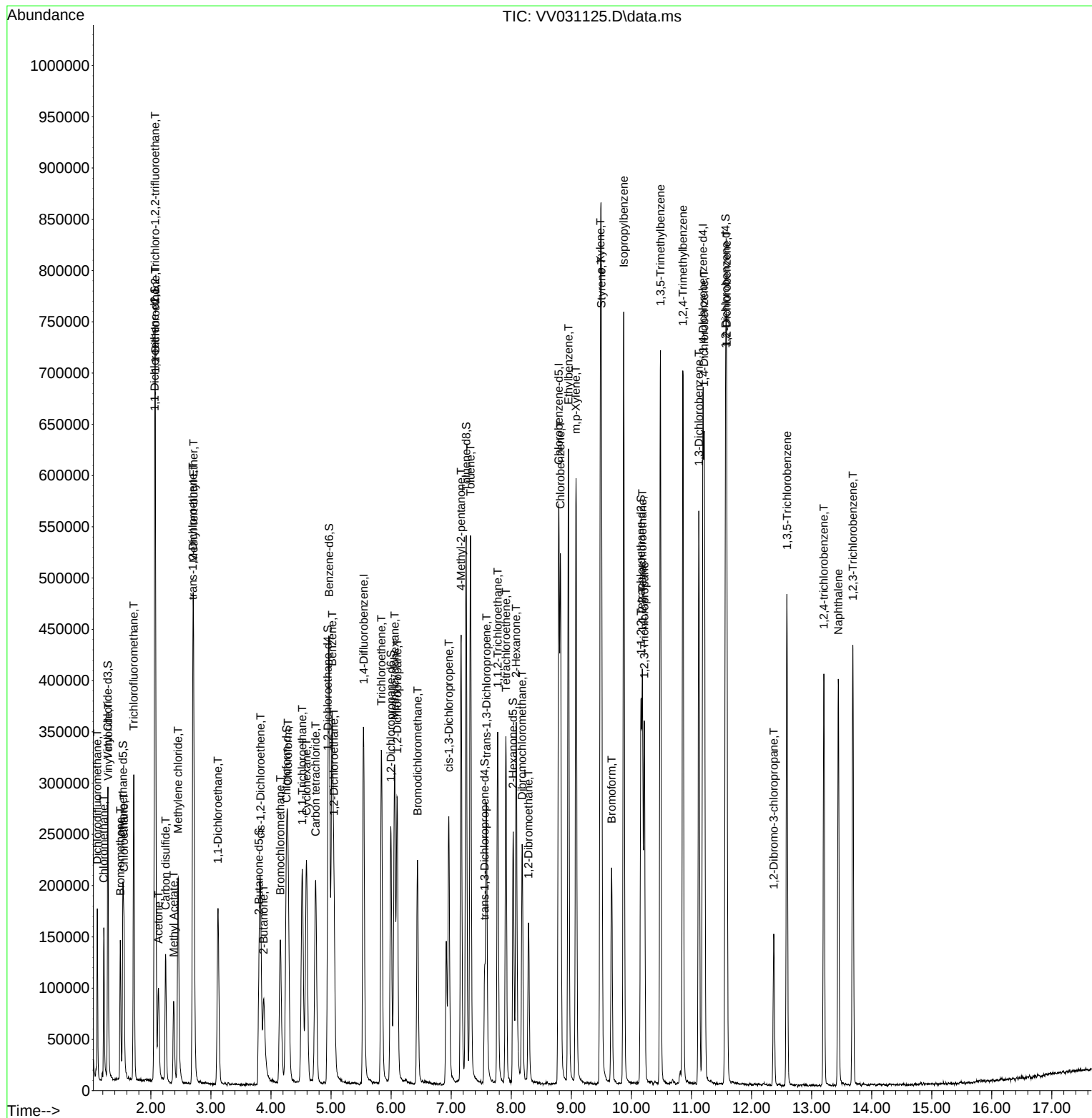
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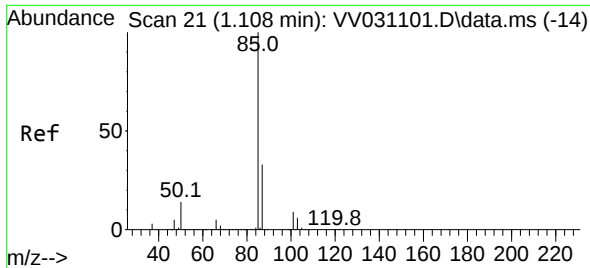
Instrument :
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 ClientSampleId :
 VSTD050347

Manual Integrations APPROVED

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 Supervised By :Mahesh Dadoda 05/25/2023

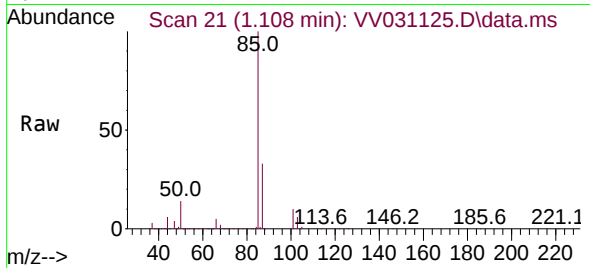
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#2
Dichlorodifluoromethane
Concen: 47.333 ug/L
RT: 1.108 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV031125.D
Acq: 19 May 2023 22:39

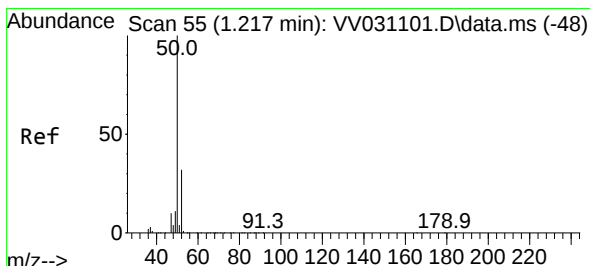
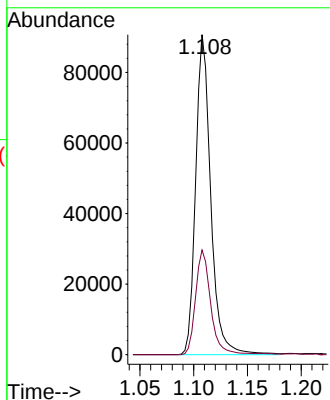
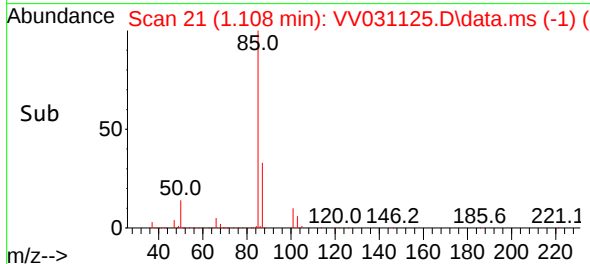
Instrument :
MSVOA_V
ClientSampleId :
VSTD050347



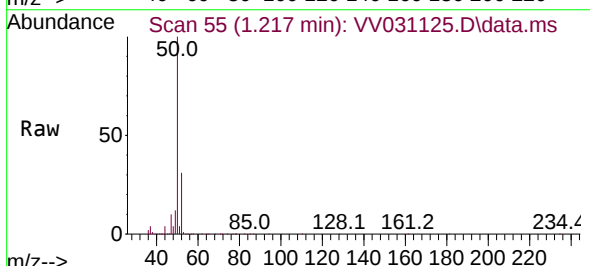
Tgt Ion: 85 Resp: 88570
Ion Ratio Lower Upper
85 100
87 32.8 25.2 37.8

Manual Integrations
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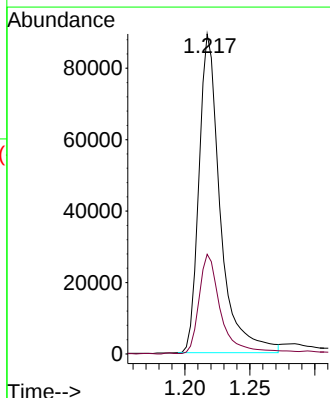
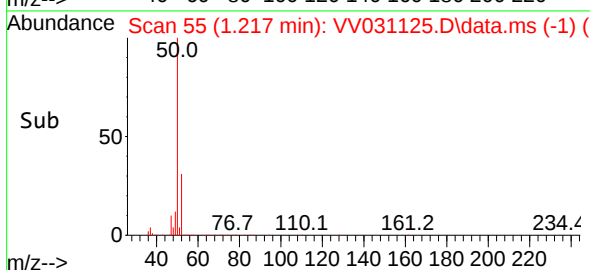
Reviewed By :Krupa Patel 05/25/2023
Supervised By :Mahesh Dadoda 05/25/2023

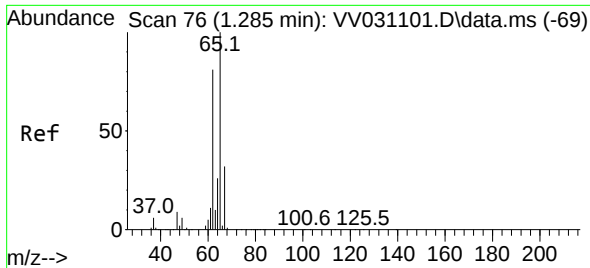


#3
Chloromethane
Concen: 49.871 ug/L
RT: 1.217 min Scan# 55
Delta R.T. -0.000 min
Lab File: VV031125.D
Acq: 19 May 2023 22:39



Tgt Ion: 50 Resp: 102173
Ion Ratio Lower Upper
50 100
52 31.2 23.3 43.3





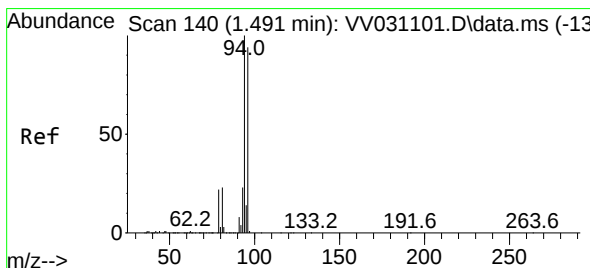
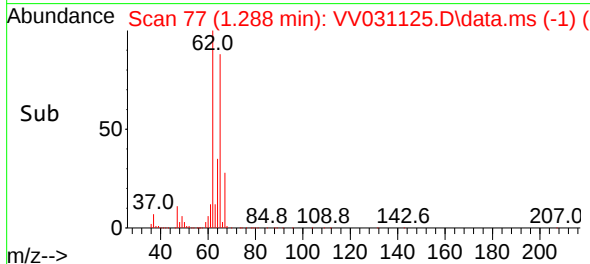
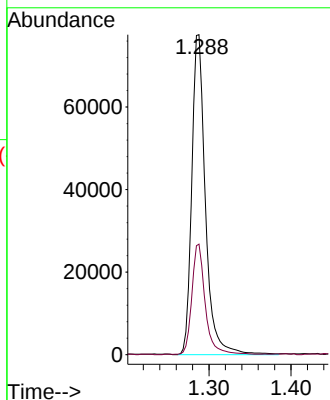
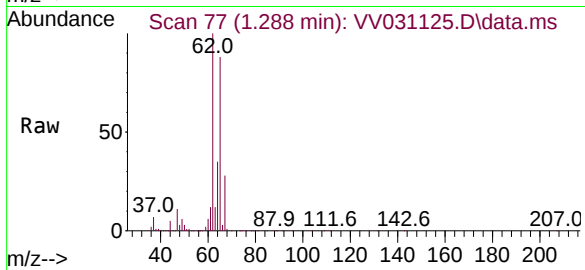
#5
 Vinyl chloride
 Concen: 49.079 ug/L
 RT: 1.288 min Scan# 71
 Delta R.T. 0.003 min
 Lab File: VV031125.D
 Acq: 19 May 2023 22:39

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050347

Tgt Ion: 62 Resp: 89810
 Ion Ratio Lower Upper
 62 100
 64 34.5 23.1 42.9

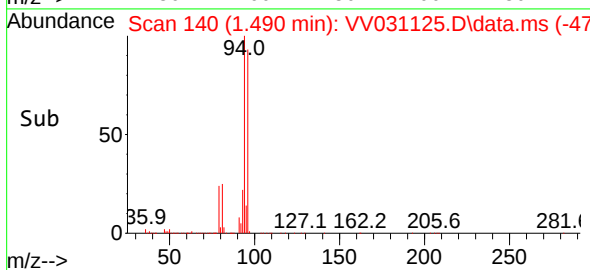
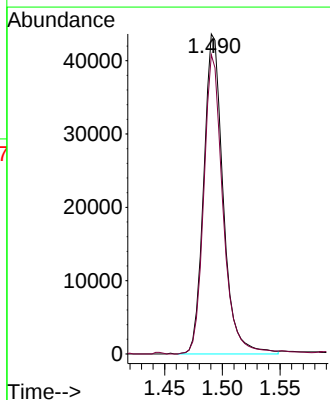
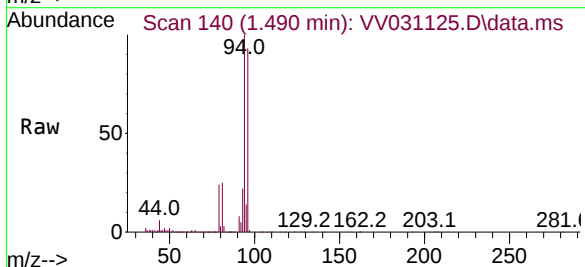
Manual Integrations
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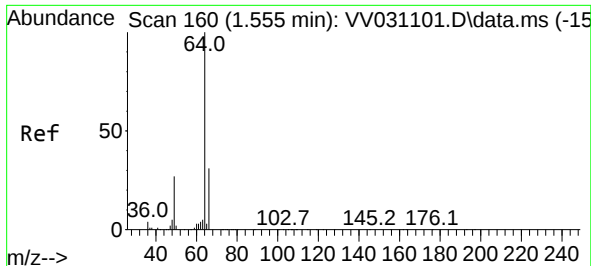
Reviewed By :Krupa Patel 05/25/2023
 Supervised By :Mahesh Dadoda 05/25/2023



#6
 Bromomethane
 Concen: 49.971 ug/L
 RT: 1.490 min Scan# 140
 Delta R.T. -0.000 min
 Lab File: VV031125.D
 Acq: 19 May 2023 22:39

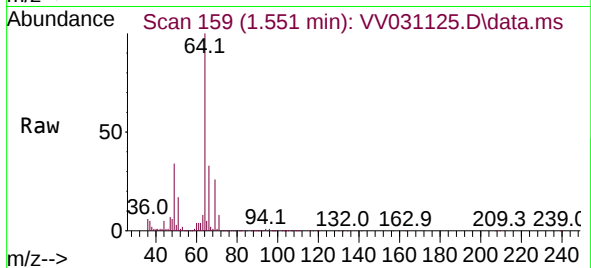
Tgt Ion: 94 Resp: 51247
 Ion Ratio Lower Upper
 94 100
 96 93.5 63.9 118.7





#8
Chloroethane
Concen: 57.093 ug/L
RT: 1.551 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV031125.D
Acq: 19 May 2023 22:39

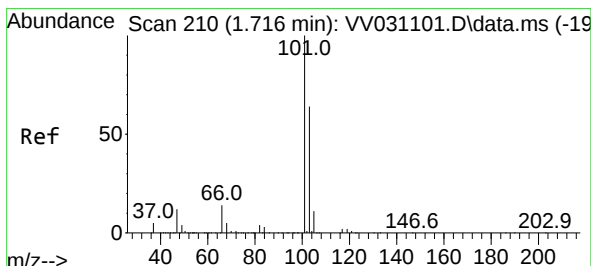
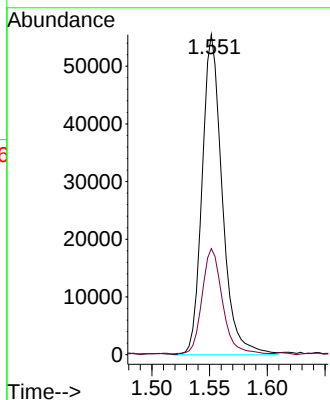
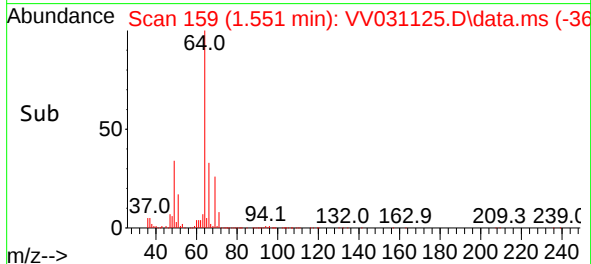
Instrument :
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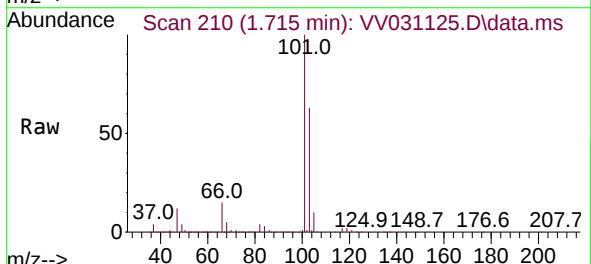
Tgt Ion: 64 Resp: 6732
Ion Ratio Lower Upper
64 100
66 33.1 22.1 41.1

Manual Integrations
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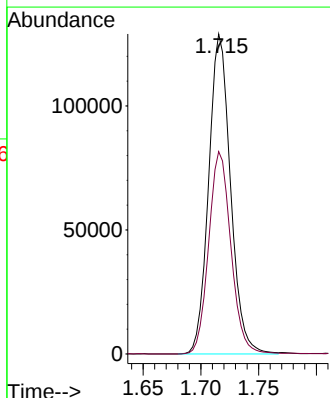
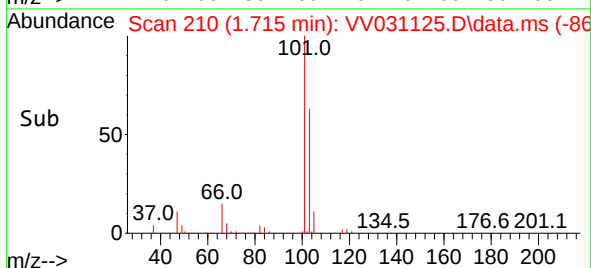
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Supervised By :Mahesh Dadoda 05/25/2023

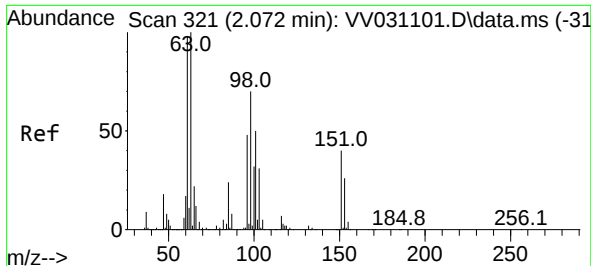


#9
Trichlorofluoromethane
Concen: 47.222 ug/L
RT: 1.715 min Scan# 210
Delta R.T. -0.000 min
Lab File: VV031125.D
Acq: 19 May 2023 22:39



Tgt Ion:101 Resp: 169963
Ion Ratio Lower Upper
101 100
103 64.3 51.4 77.2





#10

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

Concen: 46.716 ug/L

RT: 2.072 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV031125.D

Acq: 19 May 2023 22:39

Instrument :

MSVOA_V

ClientSampleId :

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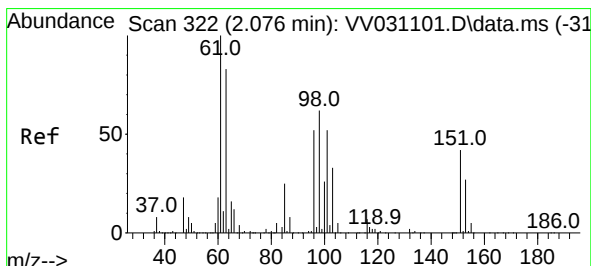
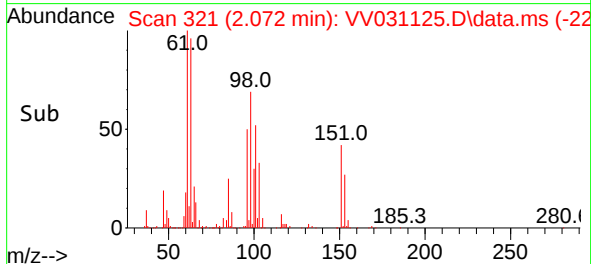
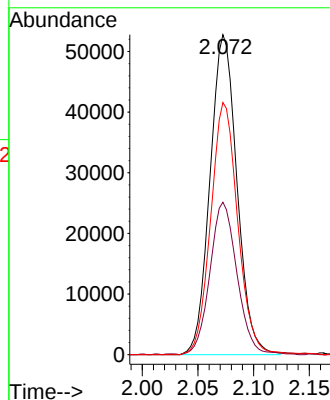
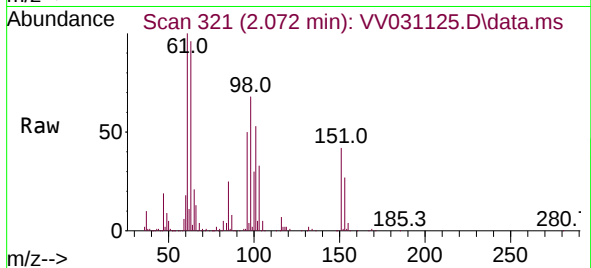
Tgt Ion:	101	Resp:	88669
Ion Ratio	Lower	Upper	
101	100		
85	47.9	38.0	57.0
151	79.2	61.7	92.5

Manual Integrations

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#12

1,1-Dichloroethene

Concen: 46.261 ug/L

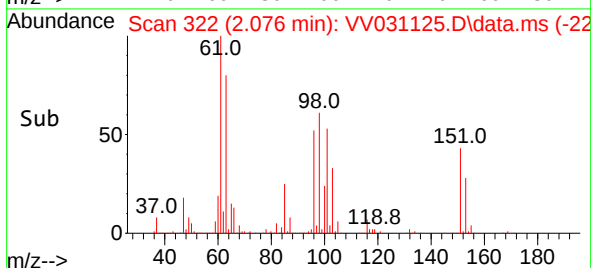
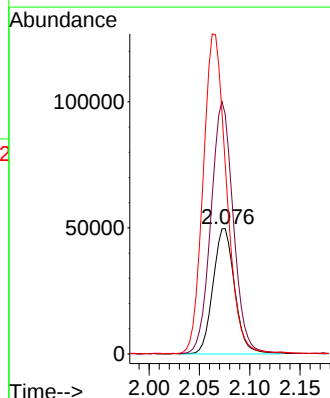
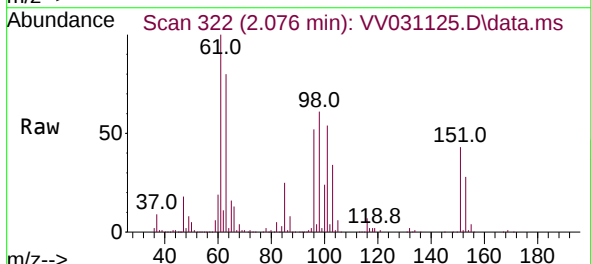
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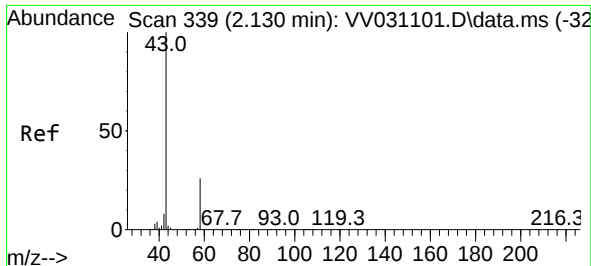
Delta R.T. -0.000 min

Lab File: VV031125.D

Acq: 19 May 2023 22:39

Tgt Ion:	96	Resp:	74487
Ion Ratio	Lower	Upper	
96	100		
61	191.6	137.9	256.1
63	152.4	114.2	212.0





#13

Acetone

Concen: 63.499 ug/L m

RT: 2.127 min Scan# 339

Delta R.T. -0.003 min

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Tgt Ion: 43 Resp: 108969

Ion Ratio Lower Upper

43 100

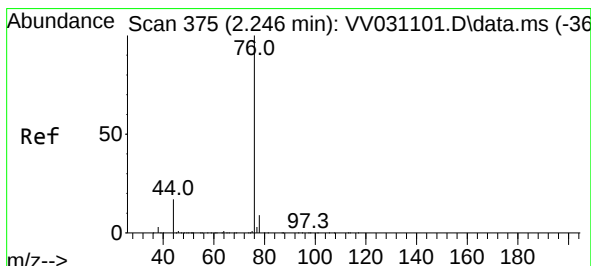
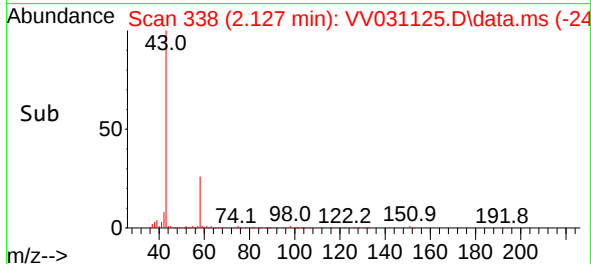
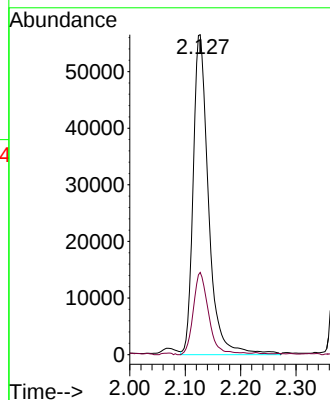
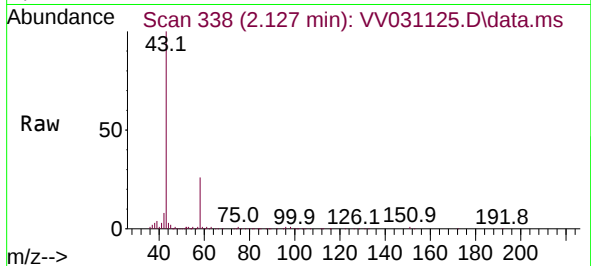
58 25.0 0.0 54.0

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#14

Carbon disulfide

Concen: 48.680 ug/L

RT: 2.246 min Scan# 375

Delta R.T. -0.000 min

Lab File: VV031125.D

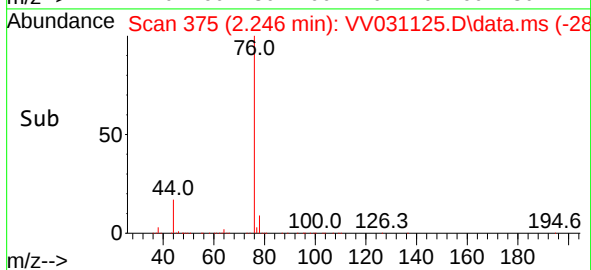
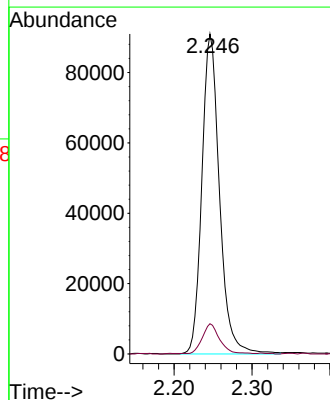
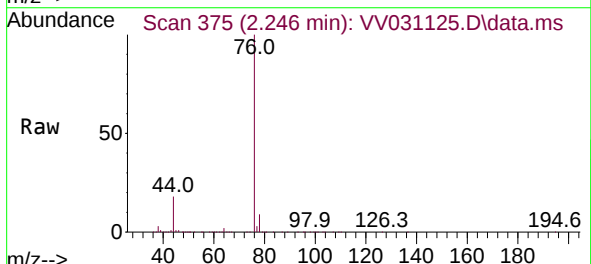
Acq: 19 May 2023 22:39

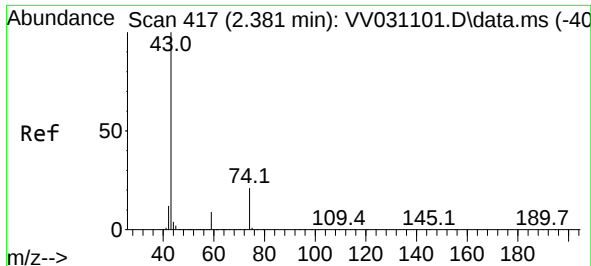
Tgt Ion: 76 Resp: 142836

Ion Ratio Lower Upper

76 100

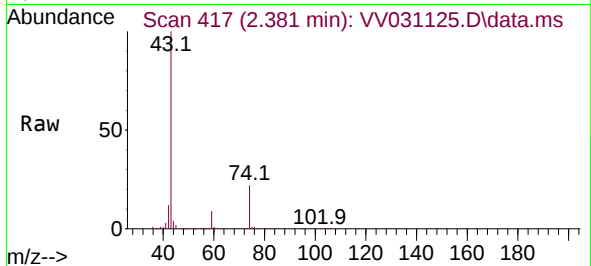
78 9.4 7.0 10.4





#15
Methyl Acetate
Concen: 50.170 ug/L
RT: 2.381 min Scan# 417
Delta R.T. -0.000 min
Lab File: VV031125.D
Acq: 19 May 2023 22:39

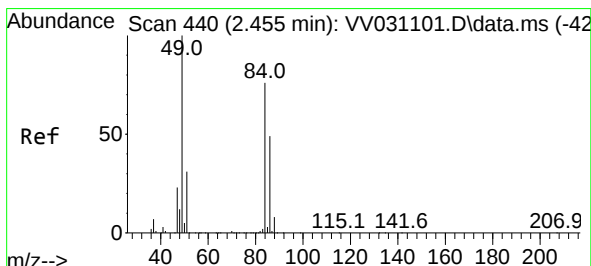
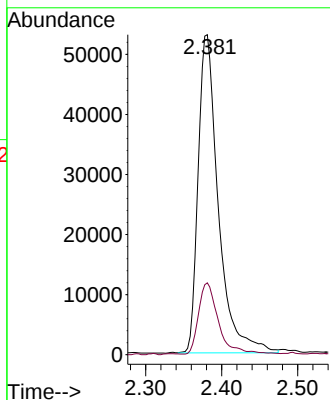
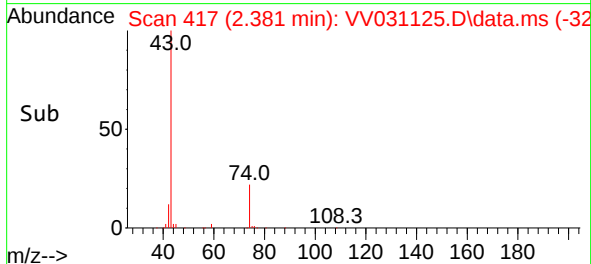
Instrument :
MSVOA_V
ClientSampleId :
VSTD050347



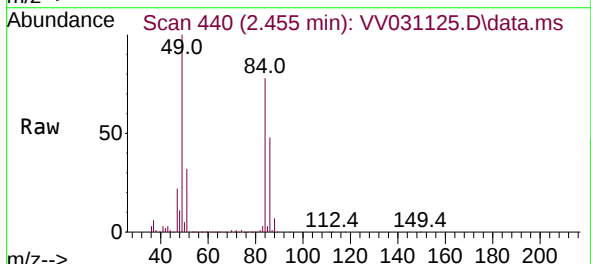
Tgt Ion: 43 Resp: 97849
Ion Ratio Lower Upper
43 100
74 21.4 18.1 27.1

Manual Integrations
APPROVED

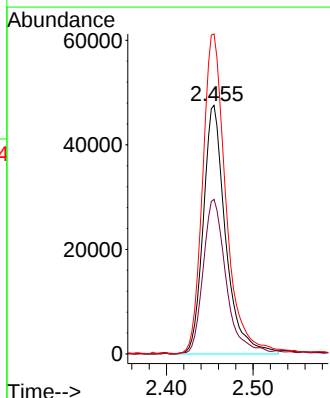
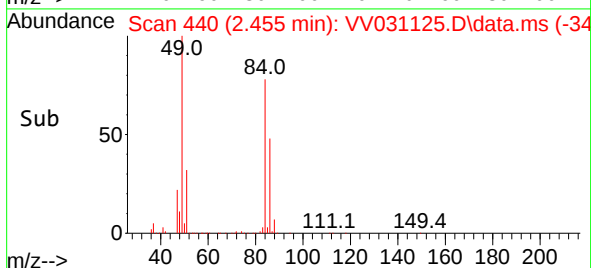
Reviewed By :Krupa Patel 05/25/2023
Supervised By :Mahesh Dadoda 05/25/2023

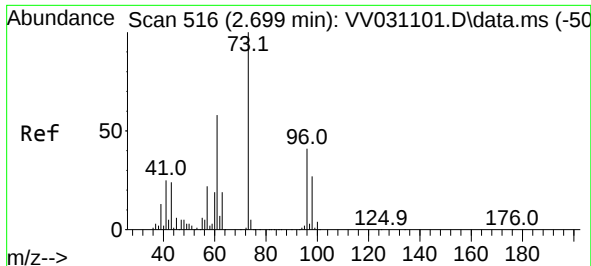


#16
Methylene chloride
Concen: 47.573 ug/L
RT: 2.455 min Scan# 440
Delta R.T. -0.000 min
Lab File: VV031125.D
Acq: 19 May 2023 22:39



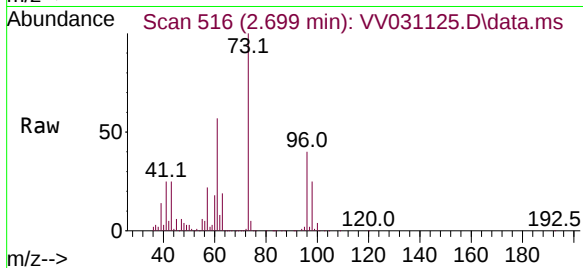
Tgt Ion: 84 Resp: 85277
Ion Ratio Lower Upper
84 100
86 62.2 43.3 80.3
49 128.7 92.6 172.0





#17
trans-1,2-Dichloroethene
Concen: 47.841 ug/L
RT: 2.699 min Scan# 516
Delta R.T. -0.000 min
Lab File: VV031125.D
Acq: 19 May 2023 22:39

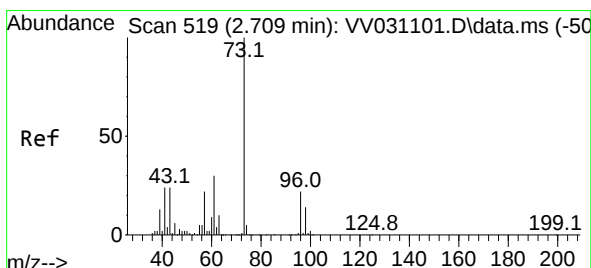
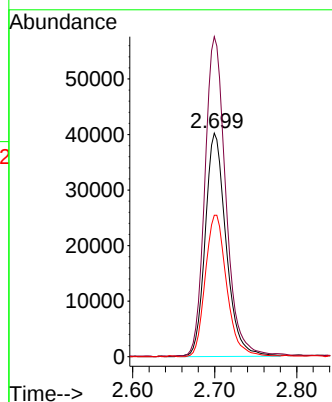
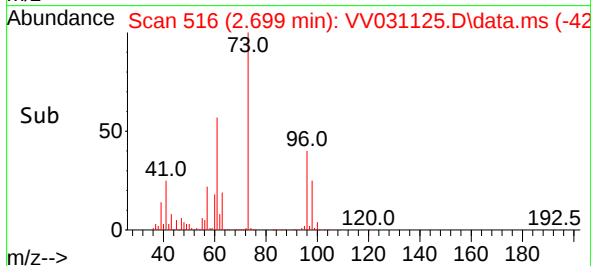
Instrument :
MSVOA_V
ClientSampleId :
VSTD050347



Tgt Ion: 96 Resp: 7122
Ion Ratio Lower Upper
96 100
61 143.2 100.0 185.6
98 63.3 45.4 84.2

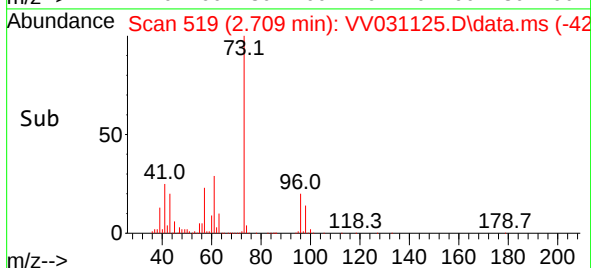
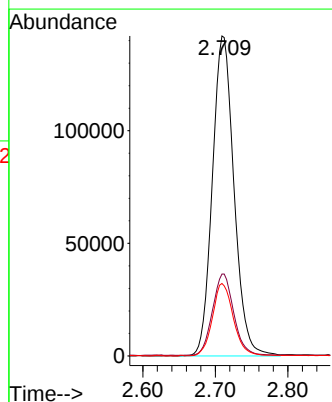
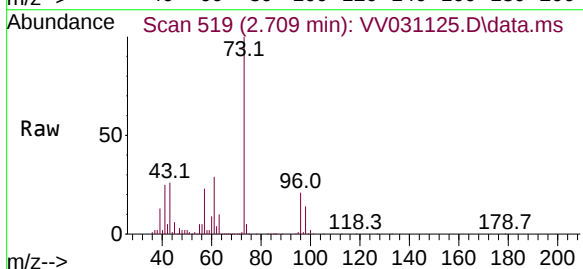
Manual Integrations
APPROVED

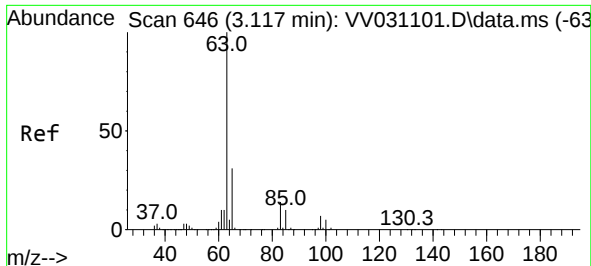
Reviewed By :Krupa Patel 05/25/2023
Supervised By :Mahesh Dadoda 05/25/2023



#18
Methyl tert-butyl Ether
Concen: 51.291 ug/L
RT: 2.709 min Scan# 519
Delta R.T. -0.000 min
Lab File: VV031125.D
Acq: 19 May 2023 22:39

Tgt Ion: 73 Resp: 294968
Ion Ratio Lower Upper
73 100
43 24.9 19.4 29.2
57 21.7 17.1 25.7





#19

1,1-Dichloroethane

Concen: 49.038 ug/L

RT: 3.117 min Scan# 646

Delta R.T. -0.000 min

Lab File: VV031125.D

Acq: 19 May 2023 22:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD050347

Tgt Ion: 63 Resp: 166370

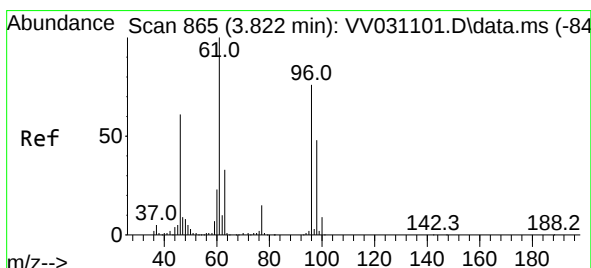
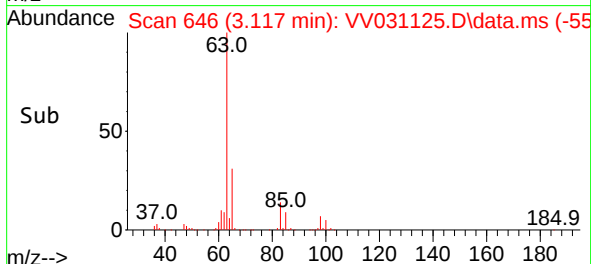
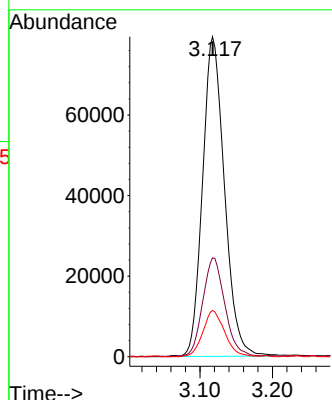
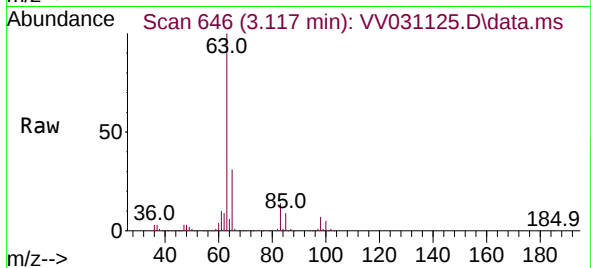
Ion	Ratio	Lower	Upper
63	100		
65	30.9	21.9	40.7
83	14.4	10.4	19.2

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 05/25/2023

Supervised By :Mahesh Dadoda 05/25/2023



#20

cis-1,2-Dichloroethene

Concen: 50.048 ug/L

RT: 3.825 min Scan# 866

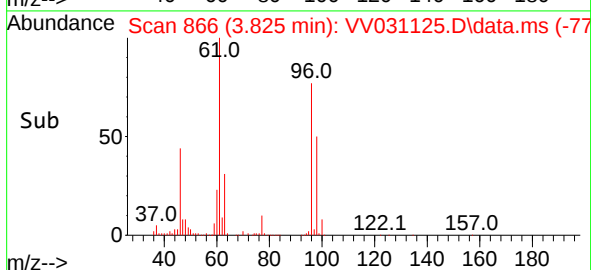
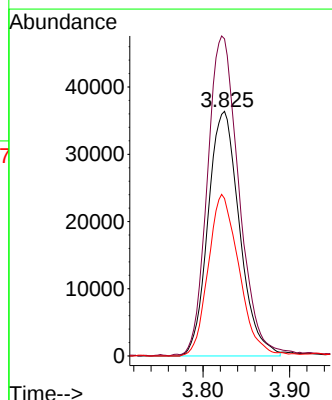
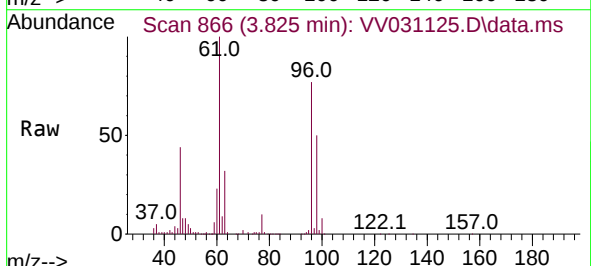
Delta R.T. 0.003 min

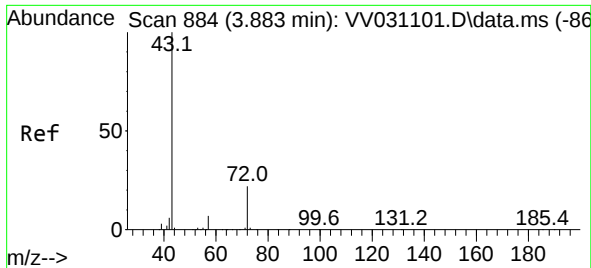
Lab File: VV031125.D

Acq: 19 May 2023 22:39

Tgt Ion: 96 Resp: 91848

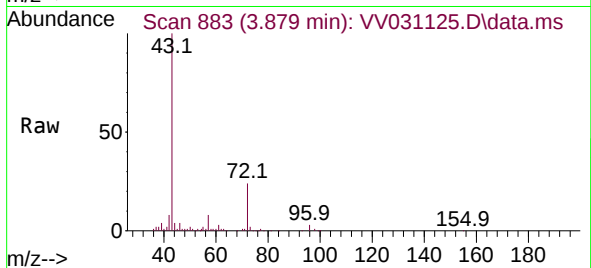
Ion	Ratio	Lower	Upper
96	100		
61	129.6	89.2	165.6
98	64.4	43.0	80.0





#22
2-Butanone
Concen: 81.852 ug/L
RT: 3.879 min Scan# 884
Delta R.T. -0.003 min
Lab File: VV031125.D
Acq: 19 May 2023 22:39

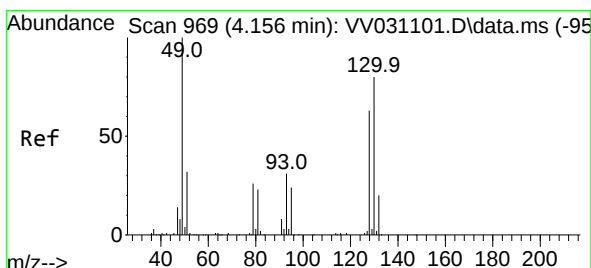
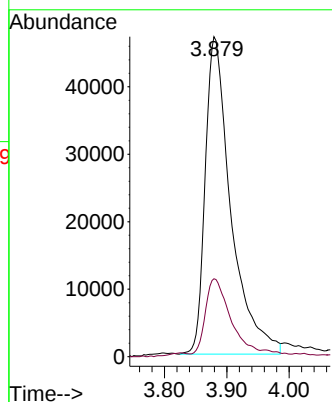
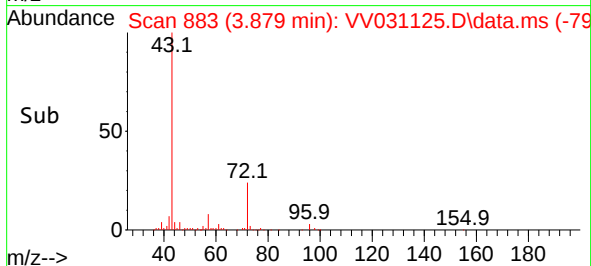
Instrument :
MSVOA_V
ClientSampleId :
VSTD050347



Tgt Ion: 43 Resp: 134698
Ion Ratio Lower Upper
43 100
72 22.4 11.9 35.7

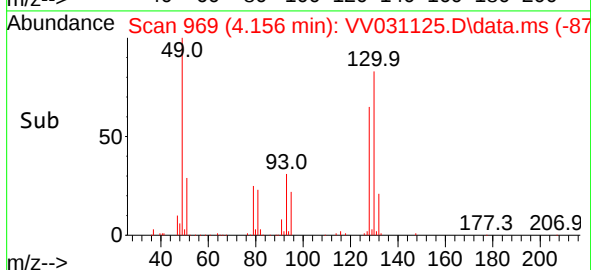
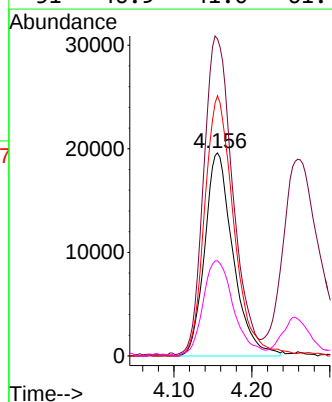
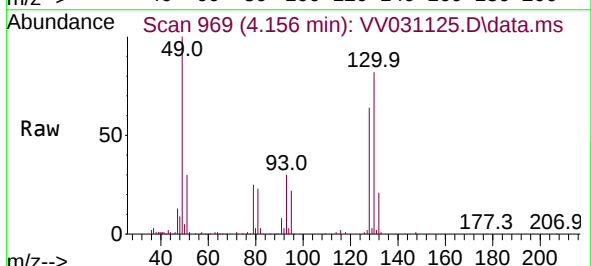
Manual Integrations
APPROVED

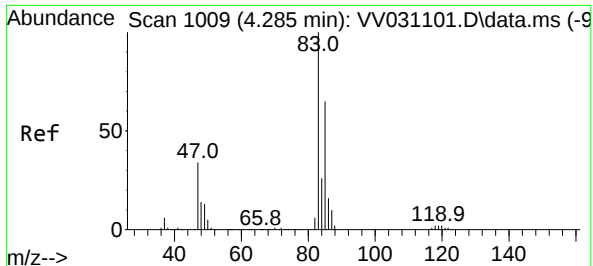
Reviewed By :Krupa Patel 05/25/2023
Supervised By :Mahesh Dadoda 05/25/2023



#23
Bromochloromethane
Concen: 48.967 ug/L
RT: 4.156 min Scan# 969
Delta R.T. -0.000 min
Lab File: VV031125.D
Acq: 19 May 2023 22:39

Tgt Ion:128 Resp: 49383
Ion Ratio Lower Upper
128 100
49 156.1 113.2 210.2
130 128.1 87.5 162.5
51 46.9 41.0 61.4





#25

Chloroform

Concen: 48.661 ug/L

RT: 4.281 min Scan# 1008

Delta R.T. -0.003 min

Lab File: VV031125.D

Acq: 19 May 2023 22:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD050347

Tgt Ion: 83 Resp: 18442

Ion Ratio Lower Upper

83 100

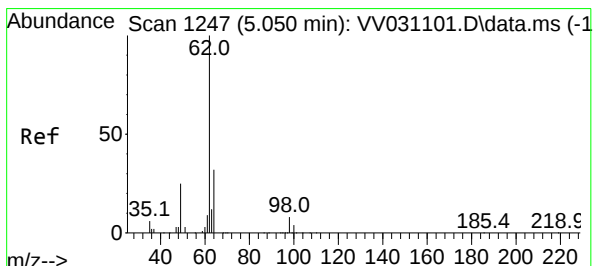
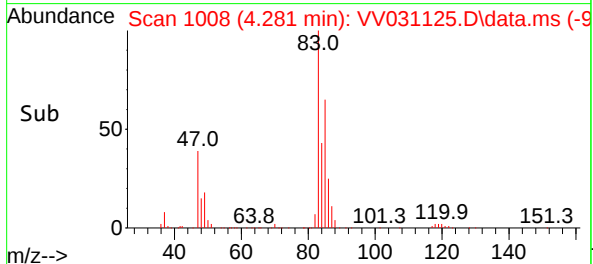
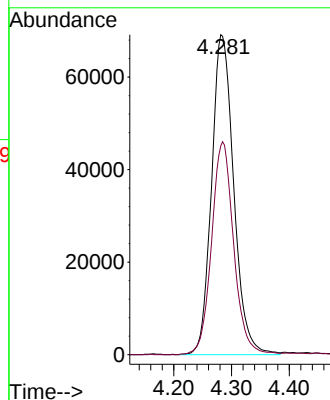
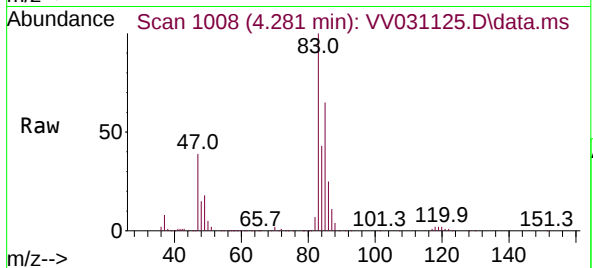
85 65.3 47.3 87.9

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 05/25/2023

Supervised By :Mahesh Dadoda 05/25/2023



#27

1,2-Dichloroethane

Concen: 50.409 ug/L

RT: 5.047 min Scan# 1246

Delta R.T. -0.003 min

Lab File: VV031125.D

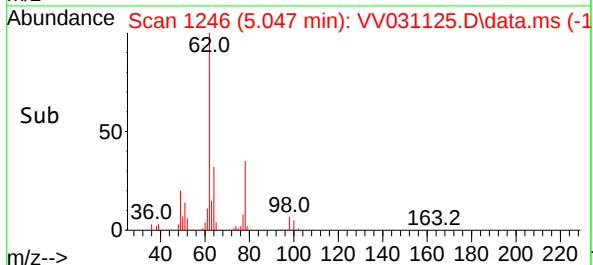
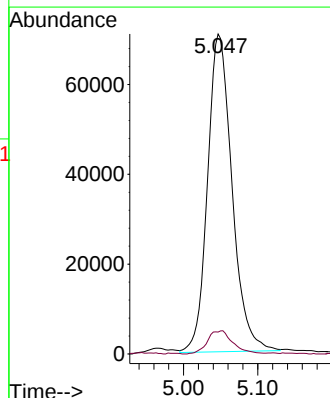
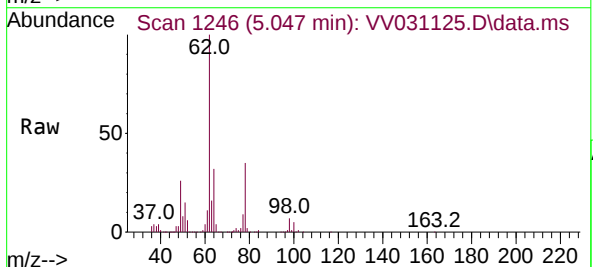
Acq: 19 May 2023 22:39

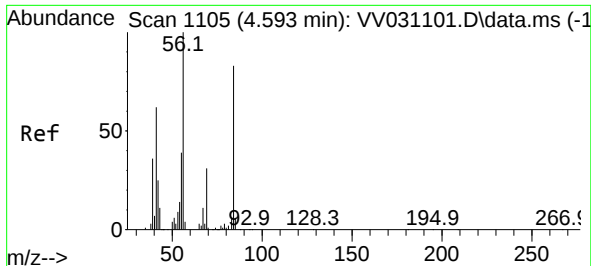
Tgt Ion: 62 Resp: 162097

Ion Ratio Lower Upper

62 100

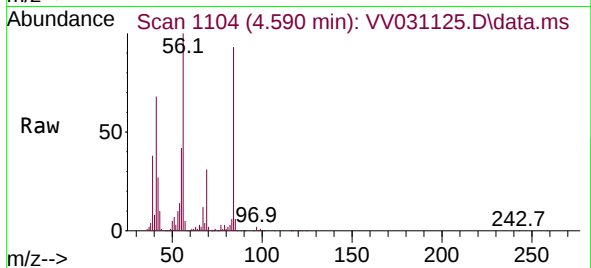
98 6.9 6.3 9.5





#29
Cyclohexane
Concen: 49.002 ug/L
RT: 4.590 min Scan# 1105
Delta R.T. -0.003 min
Lab File: VV031125.D
Acq: 19 May 2023 22:39

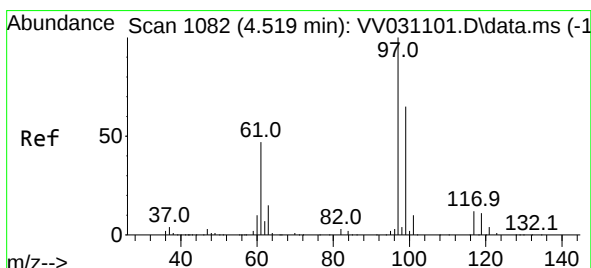
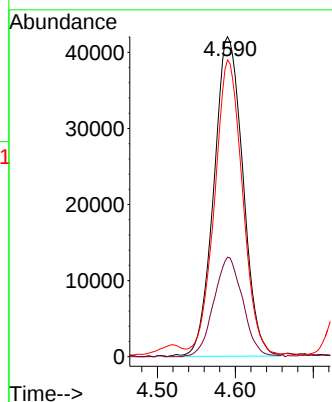
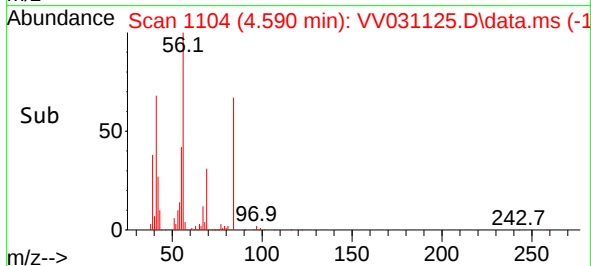
Instrument :
MSVOA_V
ClientSampleId :
VSTD050347



Tgt Ion: 56 Resp: 108698
Ion Ratio Lower Upper
56 100
69 31.0 25.1 37.7
84 88.7 71.5 107.3

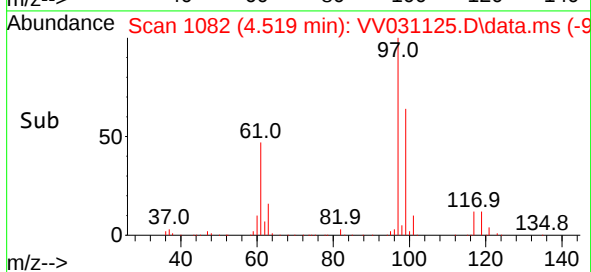
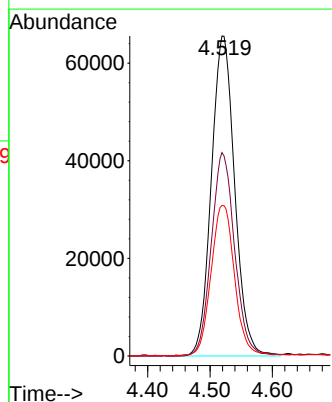
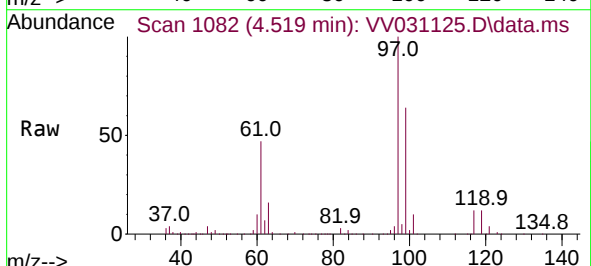
Manual Integrations
APPROVED

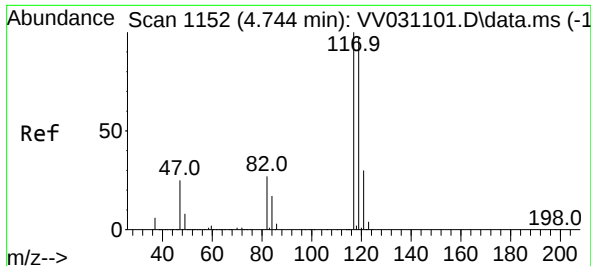
Reviewed By :Krupa Patel 05/25/2023
Supervised By :Mahesh Dadoda 05/25/2023



#30
1,1,1-Trichloroethane
Concen: 49.303 ug/L
RT: 4.519 min Scan# 1082
Delta R.T. -0.000 min
Lab File: VV031125.D
Acq: 19 May 2023 22:39

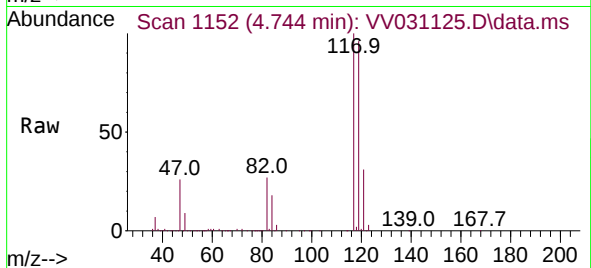
Tgt Ion: 97 Resp: 170550
Ion Ratio Lower Upper
97 100
99 63.2 51.9 77.9
61 47.2 38.2 57.2





#31
Carbon tetrachloride
Concen: 48.651 ug/L
RT: 4.744 min Scan# 1152
Delta R.T. -0.000 min
Lab File: VV031125.D
Acq: 19 May 2023 22:39

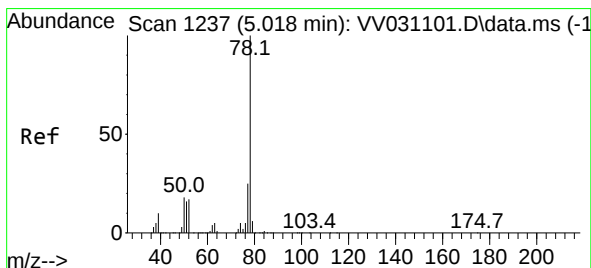
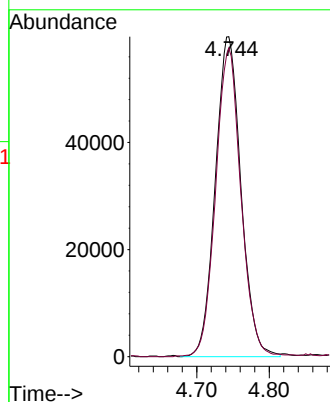
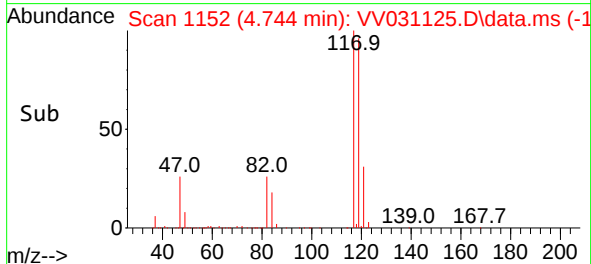
Instrument : MSVOA_V
ClientSampleId : VSTD050347



Tgt Ion:117 Resp: 146612
Ion Ratio Lower Upper
117 100
119 94.4 76.9 115.3

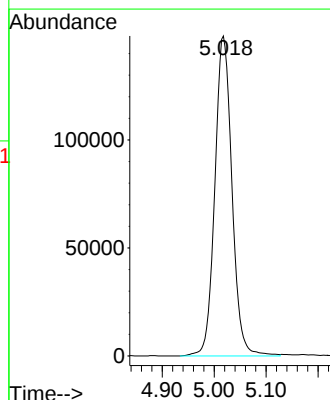
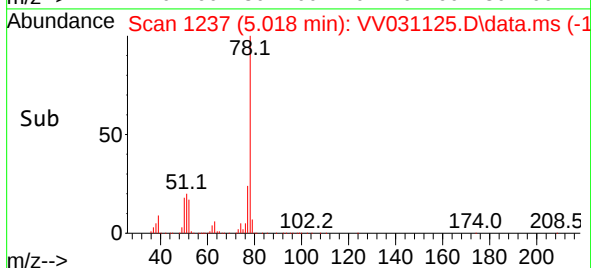
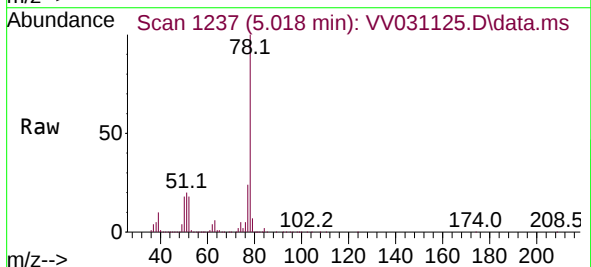
Manual Integrations
APPROVED

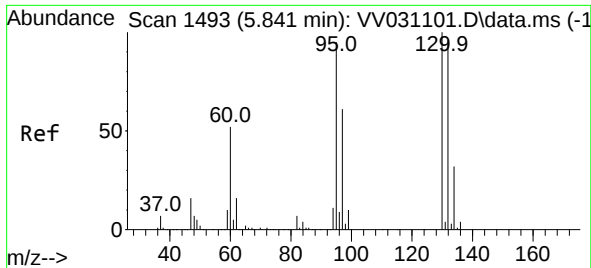
Reviewed By :Krupa Patel 05/25/2023
Supervised By :Mahesh Dadoda 05/25/2023



#33
Benzene
Concen: 50.292 ug/L
RT: 5.018 min Scan# 1237
Delta R.T. -0.000 min
Lab File: VV031125.D
Acq: 19 May 2023 22:39

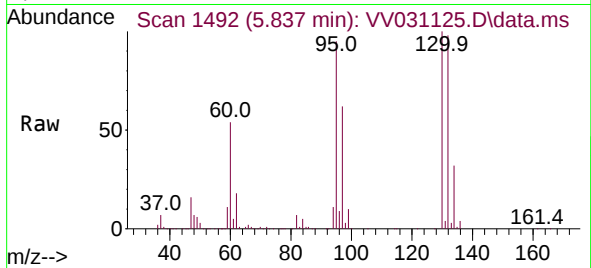
Tgt Ion: 78 Resp: 339646





#34
Trichloroethene
Concen: 59.795 ug/L
RT: 5.837 min Scan# 1492
Delta R.T. -0.003 min
Lab File: VV031125.D
Acq: 19 May 2023 22:39

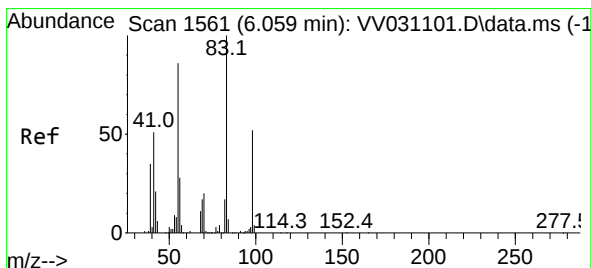
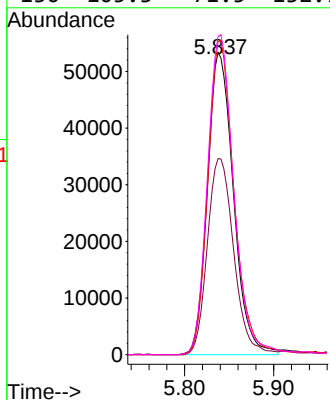
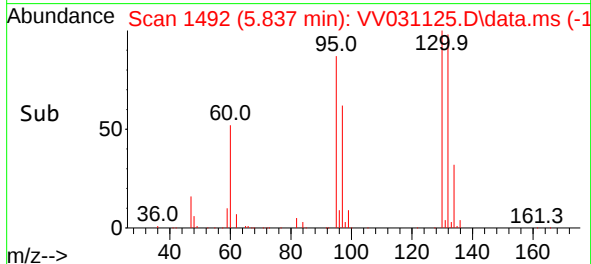
Instrument :
MSVOA_V
ClientSampleId :
VSTD050347



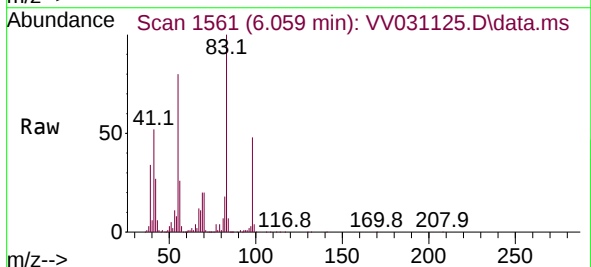
Tgt Ion: 95 Resp: 108204
Ion Ratio Lower Upper
95 100
97 64.9 44.4 82.5
132 103.6 70.2 130.4
130 105.3 71.5 132.7

Manual Integrations
APPROVED

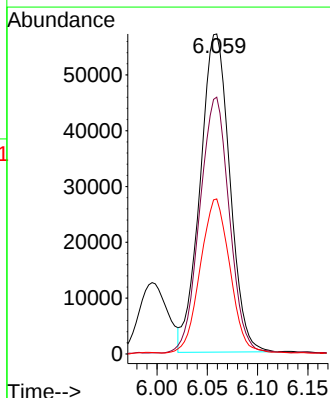
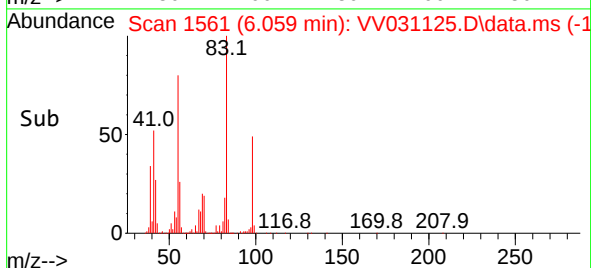
Reviewed By :Krupa Patel 05/25/2023
Supervised By :Mahesh Dadoda 05/25/2023

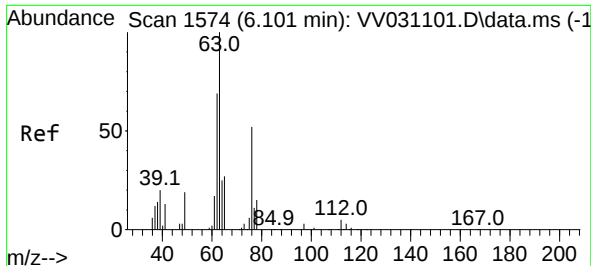


#35
Methylcyclohexane
Concen: 48.737 ug/L
RT: 6.059 min Scan# 1561
Delta R.T. -0.000 min
Lab File: VV031125.D
Acq: 19 May 2023 22:39



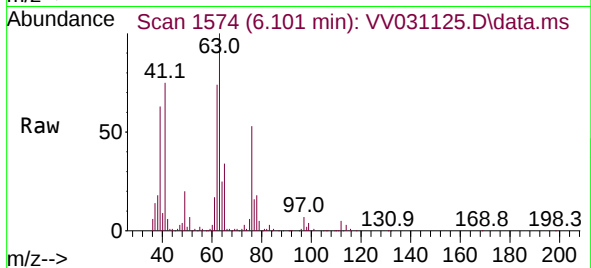
Tgt Ion: 83 Resp: 117029
Ion Ratio Lower Upper
83 100
55 80.4 64.2 96.2
98 48.5 40.0 60.0





#37
1,2-Dichloropropane
Concen: 48.277 ug/L
RT: 6.101 min Scan# 1574
Delta R.T. -0.000 min
Lab File: VV031125.D
Acq: 19 May 2023 22:39

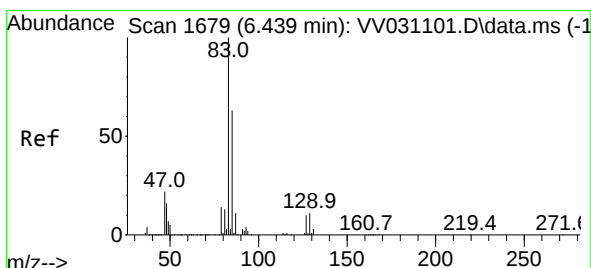
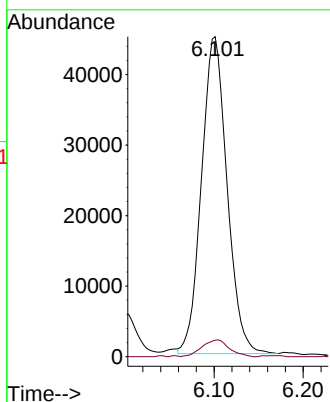
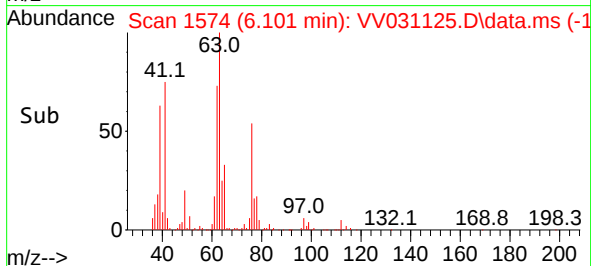
Instrument :
MSVOA_V
ClientSampleId :
VSTD050347



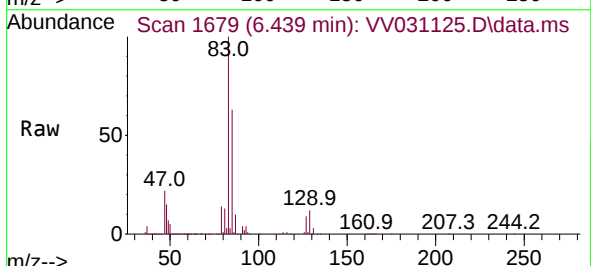
Tgt Ion: 63 Resp: 89738
Ion Ratio Lower Upper
63 100
112 5.6 4.3 6.5

Manual Integrations
APPROVED

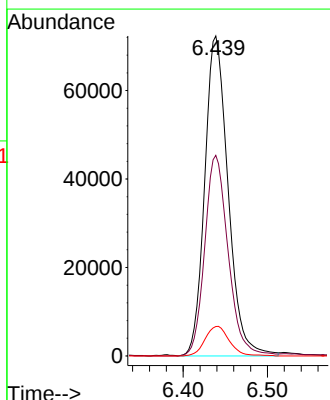
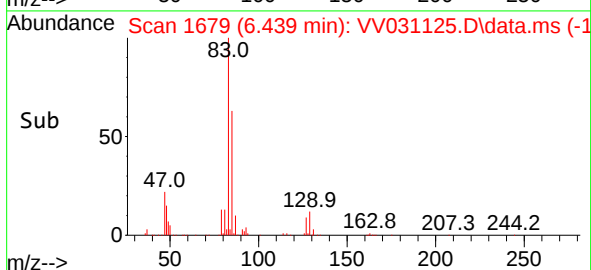
Reviewed By :Krupa Patel 05/25/2023
Supervised By :Mahesh Dadoda 05/25/2023

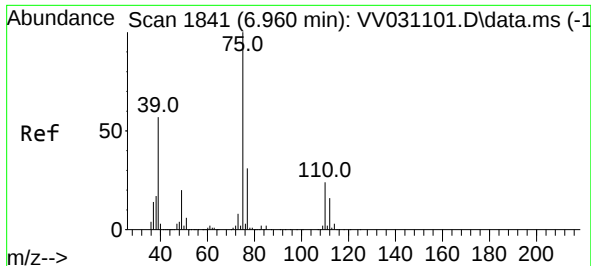


#38
Bromodichloromethane
Concen: 48.560 ug/L
RT: 6.439 min Scan# 1679
Delta R.T. -0.000 min
Lab File: VV031125.D
Acq: 19 May 2023 22:39



Tgt Ion: 83 Resp: 139923
Ion Ratio Lower Upper
83 100
85 62.7 44.0 81.6
127 9.2 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 49.882 ug/L

RT: 6.960 min Scan# 1841

Delta R.T. -0.000 min

Lab File: VV031125.D

Acq: 19 May 2023 22:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD050347

Tgt Ion: 75 Resp: 142970

Ion Ratio Lower Upper

75 100

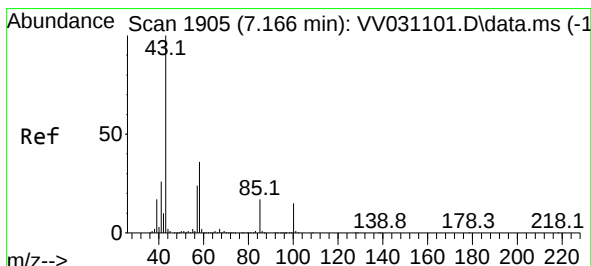
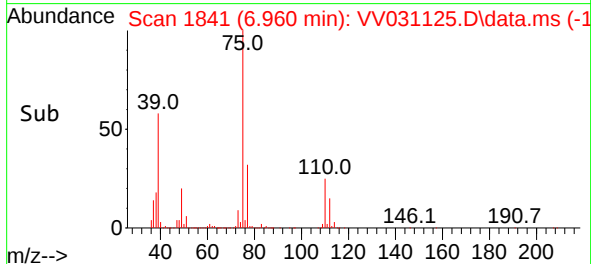
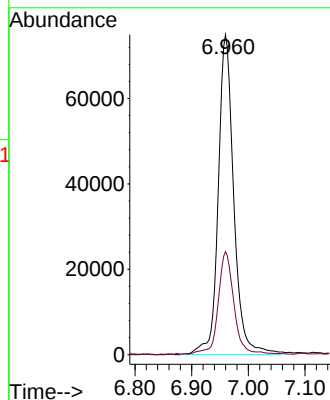
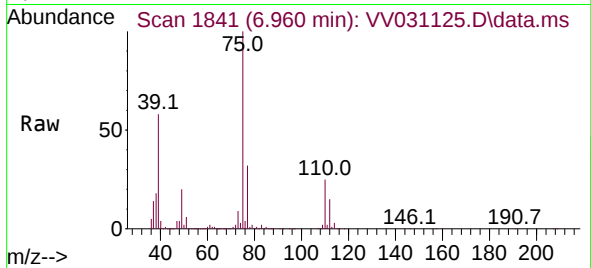
77 32.2 22.3 41.3

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 05/25/2023

Supervised By :Mahesh Dadoda 05/25/2023



#40

4-Methyl-2-pentanone

Concen: 99.976 ug/L

RT: 7.165 min Scan# 1905

Delta R.T. -0.000 min

Lab File: VV031125.D

Acq: 19 May 2023 22:39

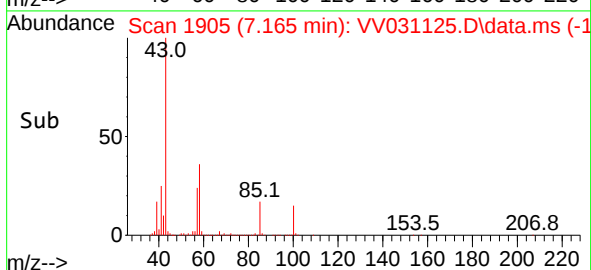
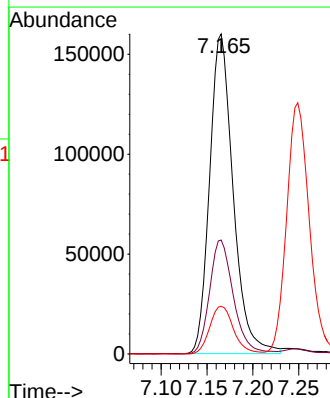
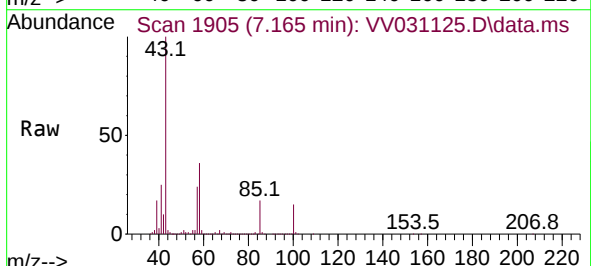
Tgt Ion: 43 Resp: 285965

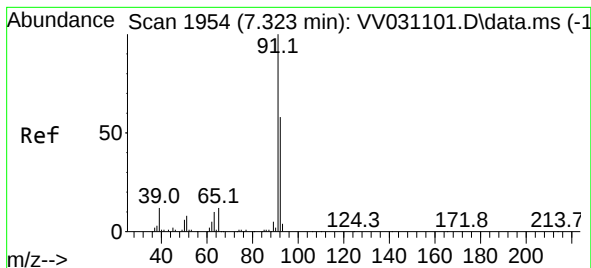
Ion Ratio Lower Upper

43 100

58 35.9 29.0 43.4

100 15.2 12.2 18.4





#42

Toluene

Concen: 50.708 ug/L

RT: 7.323 min Scan# 1954

Delta R.T. -0.000 min

Lab File: VV031125.D

Acq: 19 May 2023 22:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD050347

Tgt Ion: 91 Resp: 370512

Ion Ratio Lower Upper

91 100

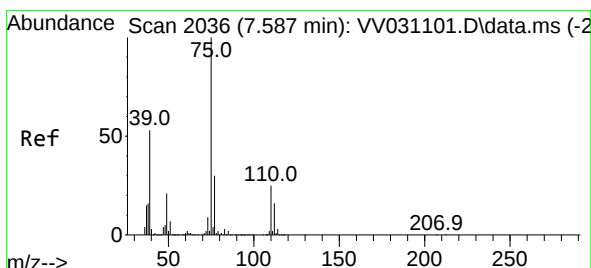
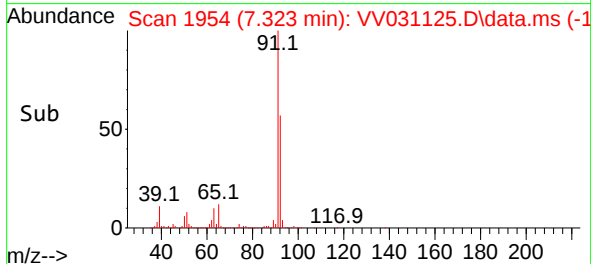
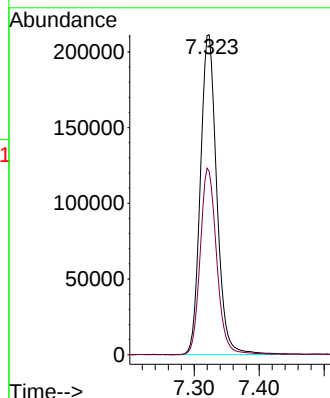
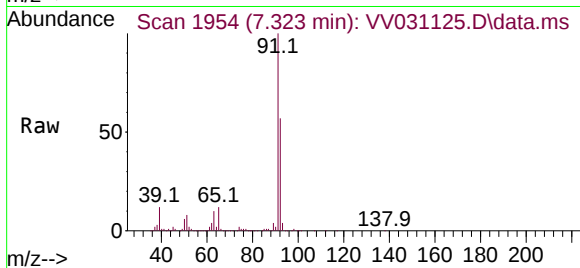
92 57.3 40.9 76.0

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 05/25/2023

Supervised By :Mahesh Dadoda 05/25/2023



#44

trans-1,3-Dichloropropene

Concen: 49.734 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. -0.000 min

Lab File: VV031125.D

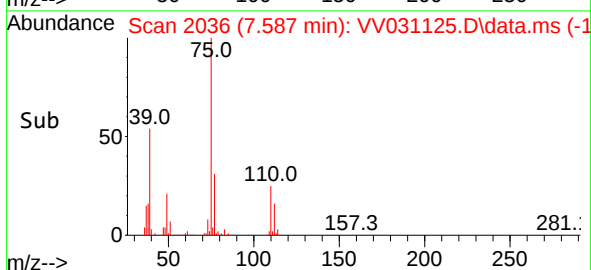
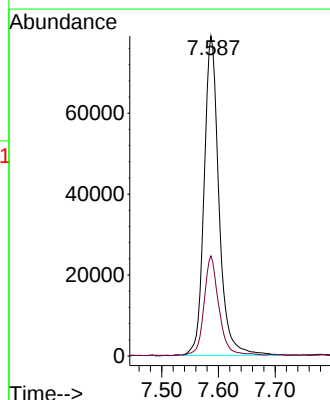
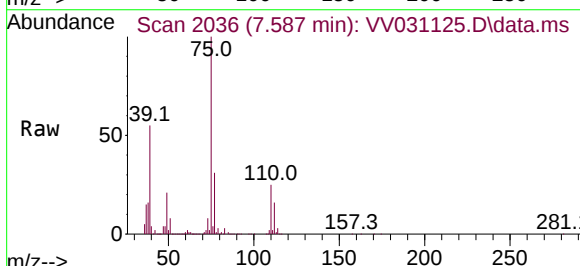
Acq: 19 May 2023 22:39

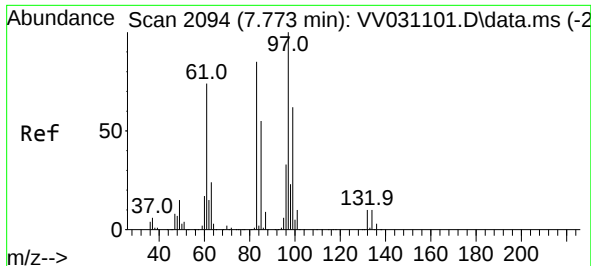
Tgt Ion: 75 Resp: 144211

Ion Ratio Lower Upper

75 100

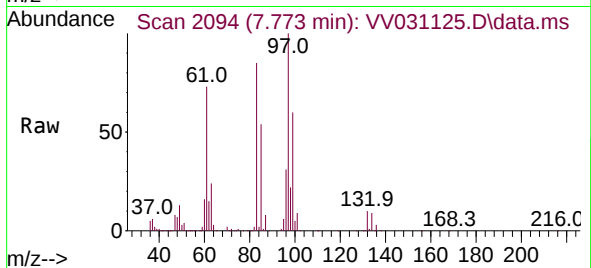
77 31.2 22.2 41.2





#45
1,1,2-Trichloroethane
Concen: 49.349 ug/L
RT: 7.773 min Scan# 2094
Delta R.T. -0.000 min
Lab File: VV031125.D
Acq: 19 May 2023 22:39

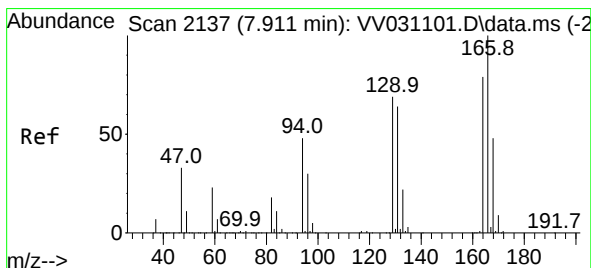
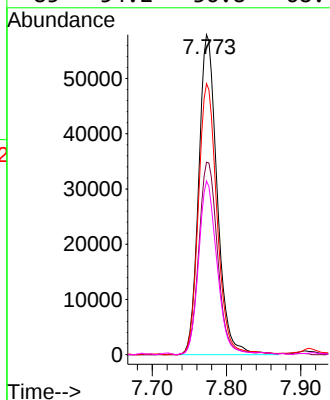
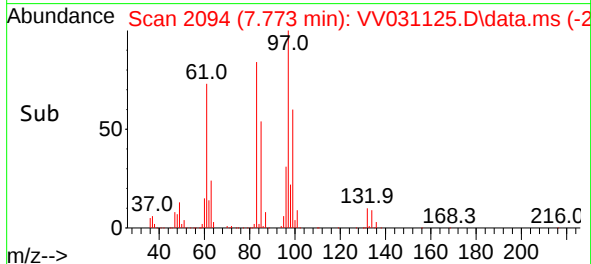
Instrument :
MSVOA_V
ClientSampleId :
VSTD050347



Tgt Ion:	97	Resp:	10009
Ion	Ratio	Lower	Upper
97	100		
99	60.2	43.2	80.2
83	84.7	60.5	112.3
85	54.2	36.8	68.4

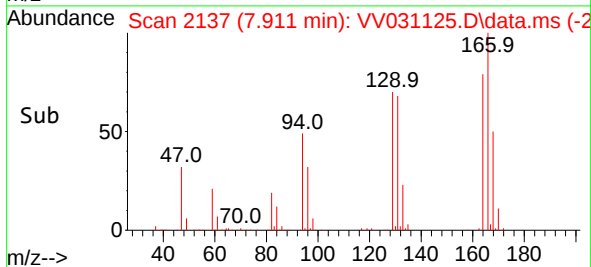
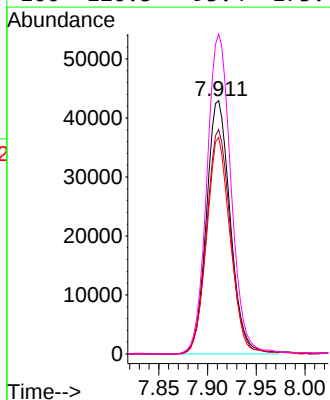
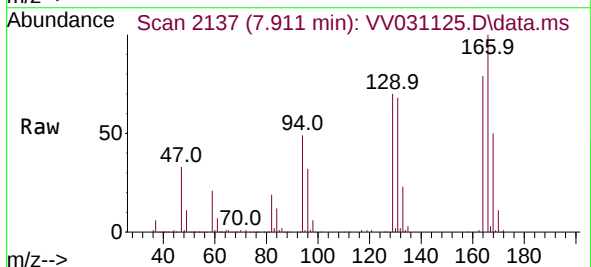
Manual Integrations
APPROVED

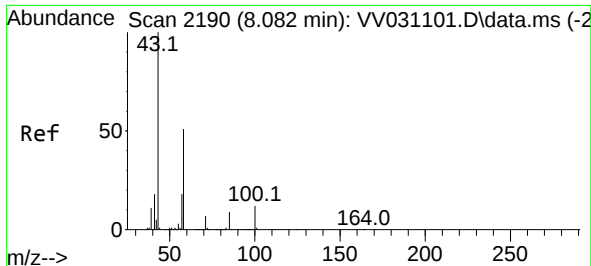
Reviewed By :Krupa Patel 05/25/2023
Supervised By :Mahesh Dadoda 05/25/2023



#46
Tetrachloroethene
Concen: 47.151 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. -0.000 min
Lab File: VV031125.D
Acq: 19 May 2023 22:39

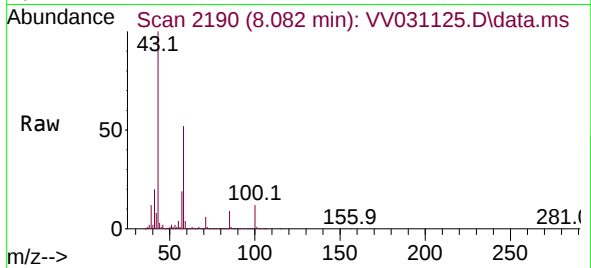
Tgt Ion:	164	Resp:	73265
Ion	Ratio	Lower	Upper
164	100		
129	88.5	65.5	121.7
131	85.5	62.1	115.3
166	126.3	93.4	173.4





#48
2-Hexanone
Concen: 94.355 ug/L
RT: 8.082 min Scan# 2190
Delta R.T. -0.000 min
Lab File: VV031125.D
Acq: 19 May 2023 22:39

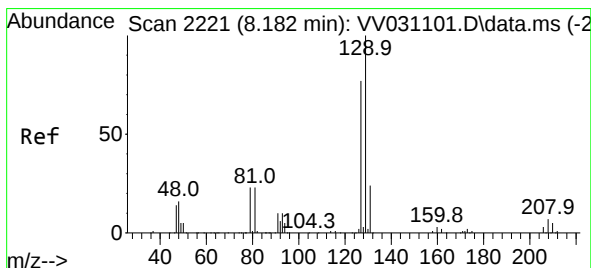
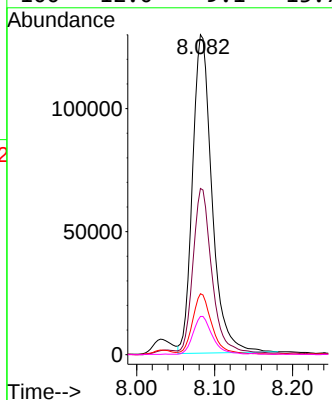
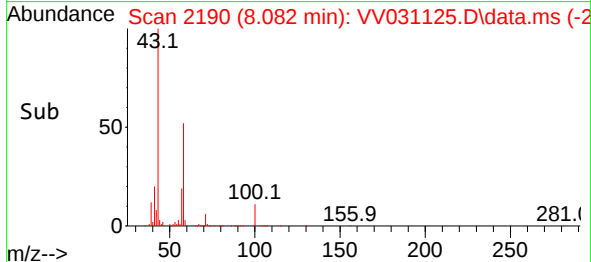
Instrument :
MSVOA_V
ClientSampleId :
VSTD050347



Tgt Ion: 43 Resp: 224788
Ion Ratio Lower Upper
43 100
58 49.3 39.8 59.6
57 18.4 14.4 21.6
100 12.0 9.1 13.7

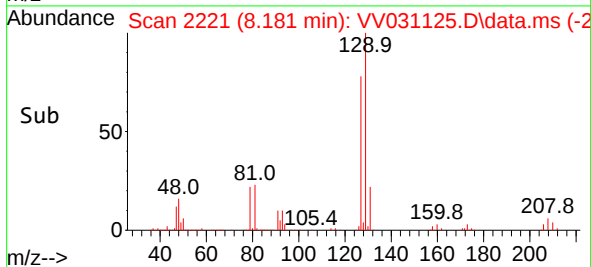
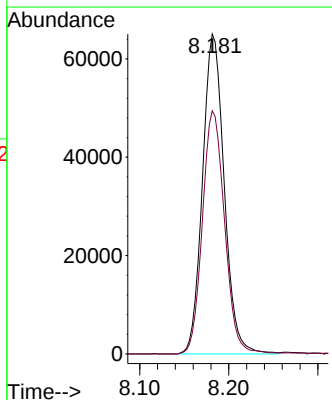
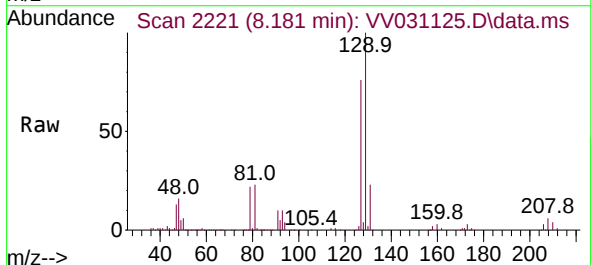
Manual Integrations
APPROVED

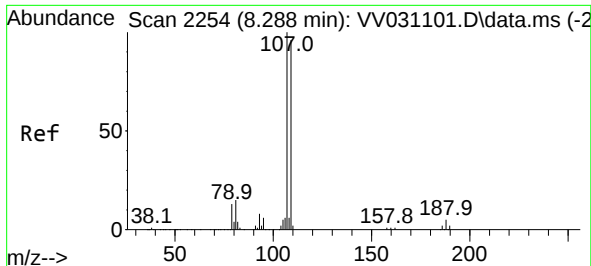
Reviewed By :Krupa Patel 05/25/2023
Supervised By :Mahesh Dadoda 05/25/2023



#49
Dibromochloromethane
Concen: 48.132 ug/L
RT: 8.181 min Scan# 2221
Delta R.T. -0.000 min
Lab File: VV031125.D
Acq: 19 May 2023 22:39

Tgt Ion:129 Resp: 110153
Ion Ratio Lower Upper
129 100
127 76.0 56.1 104.1





#50

1,2-Dibromoethane

Concen: 47.755 ug/L

RT: 8.288 min Scan# 2419

Delta R.T. -0.000 min

Lab File: VV031125.D

Acq: 19 May 2023 22:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD050347

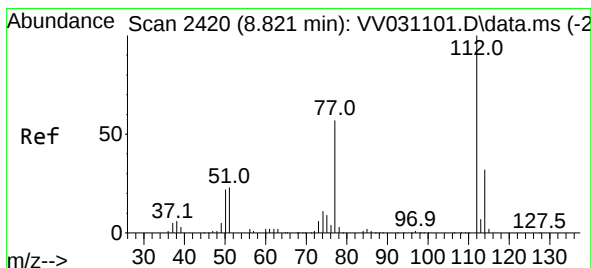
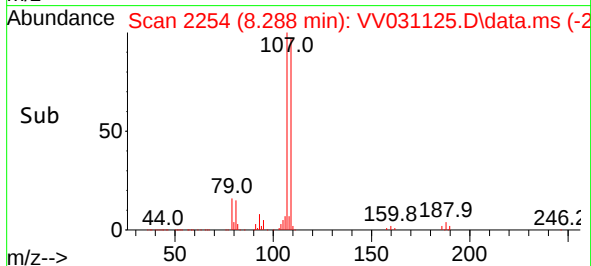
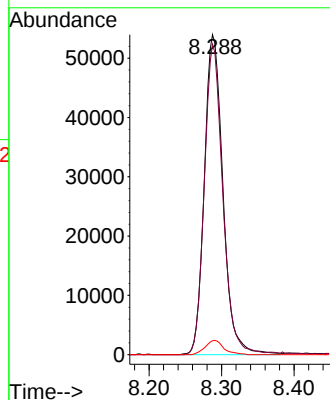
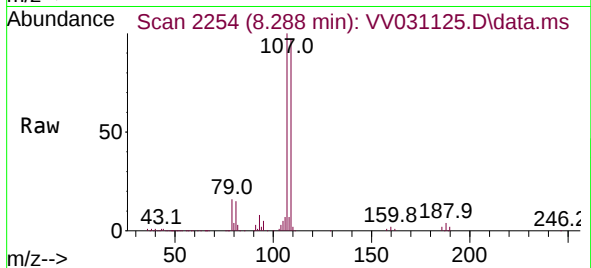
Tgt Ion:107	Resp:	9630
Ion Ratio	Lower	Upper
107	100	
109	97.1	65.6 121.8
188	4.4	3.8 5.6

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 05/25/2023

Supervised By :Mahesh Dadoda 05/25/2023



#51

Chlorobenzene

Concen: 48.311 ug/L

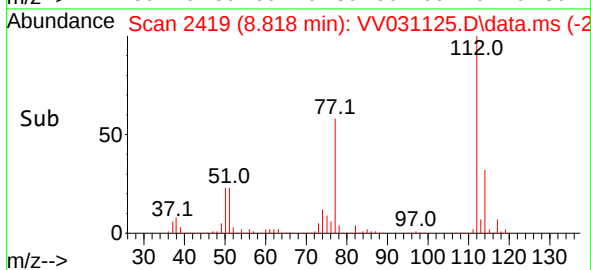
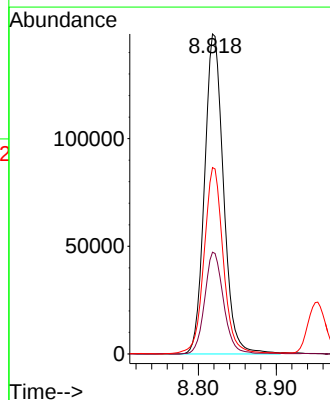
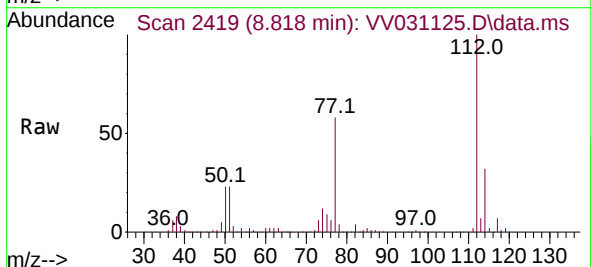
RT: 8.818 min Scan# 2419

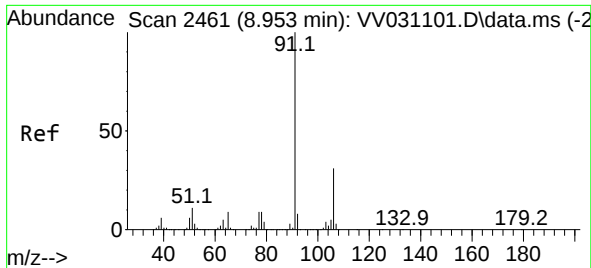
Delta R.T. -0.003 min

Lab File: VV031125.D

Acq: 19 May 2023 22:39

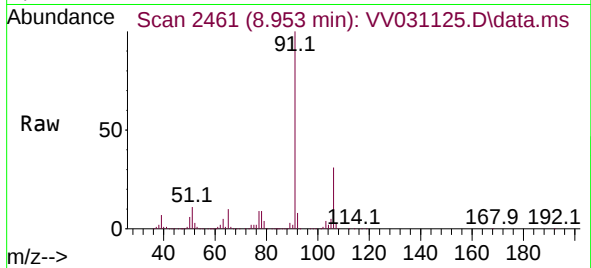
Tgt Ion:112	Resp:	251245
Ion Ratio	Lower	Upper
112	100	
114	31.8	23.0 42.8
77	58.3	46.2 69.4





#52
Ethylbenzene
Concen: 48.680 ug/L
RT: 8.953 min Scan# 2461
Delta R.T. -0.000 min
Lab File: VV031125.D
Acq: 19 May 2023 22:39

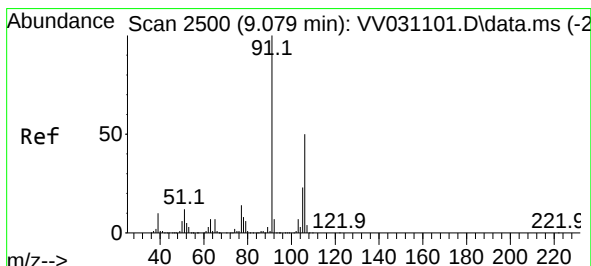
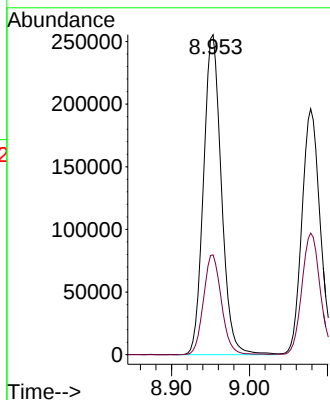
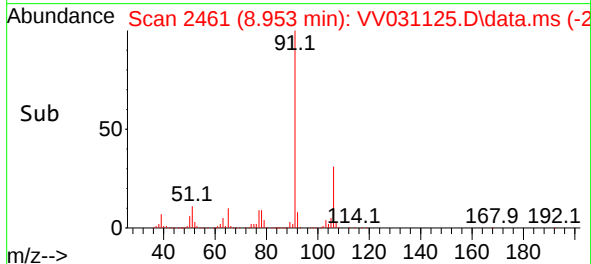
Instrument :
MSVOA_V
ClientSampleId :
VSTD050347



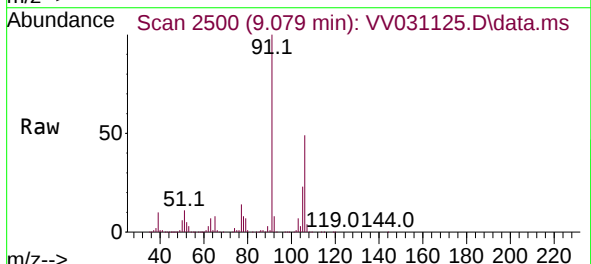
Tgt Ion: 91 Resp: 407245
Ion Ratio Lower Upper
91 100
106 31.2 21.5 39.9

Manual Integrations
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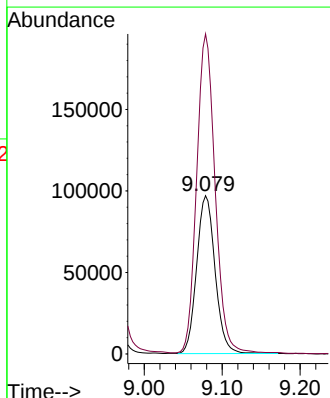
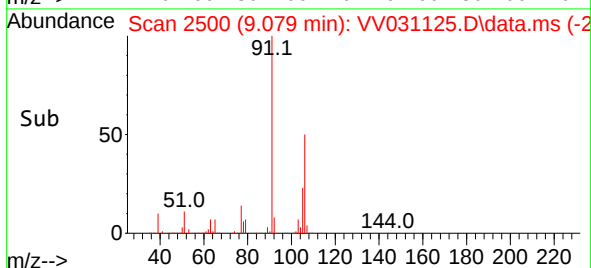
Reviewed By :Krupa Patel 05/25/2023
Supervised By :Mahesh Dadoda 05/25/2023

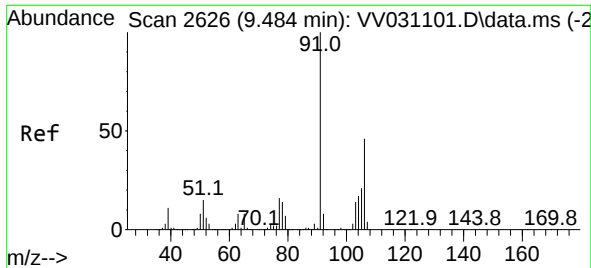


#53
m,p-Xylene
Concen: 49.088 ug/L
RT: 9.079 min Scan# 2500
Delta R.T. -0.000 min
Lab File: VV031125.D
Acq: 19 May 2023 22:39



Tgt Ion:106 Resp: 159295
Ion Ratio Lower Upper
106 100
91 202.3 145.3 269.8





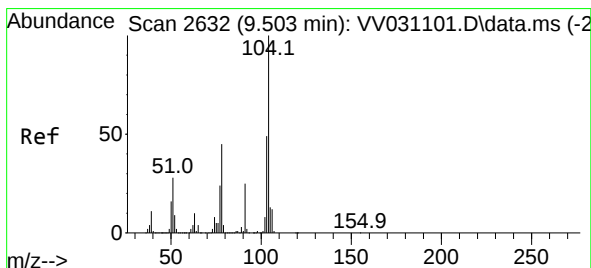
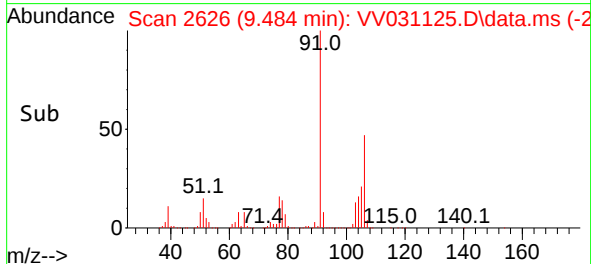
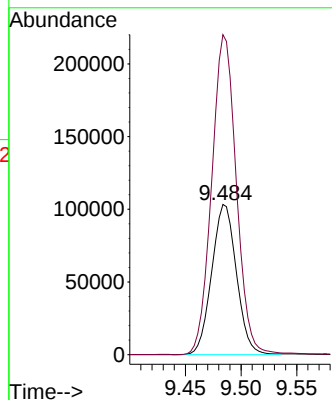
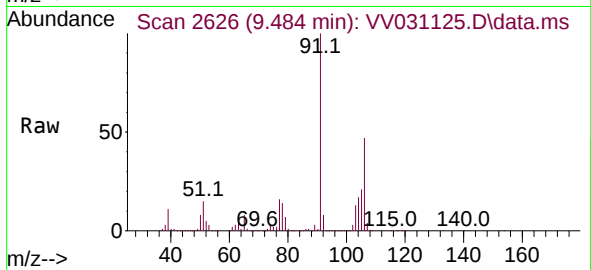
#54
o-Xylene
Concen: 49.874 ug/L
RT: 9.484 min Scan# 2626
Delta R.T. -0.000 min
Lab File: VV031125.D
Acq: 19 May 2023 22:39

Instrument :
MSVOA_V
ClientSampleId :
VSTD050347

Tgt Ion:106 Resp: 15966
Ion Ratio Lower Upper
106 100
91 213.1 150.4 279.2

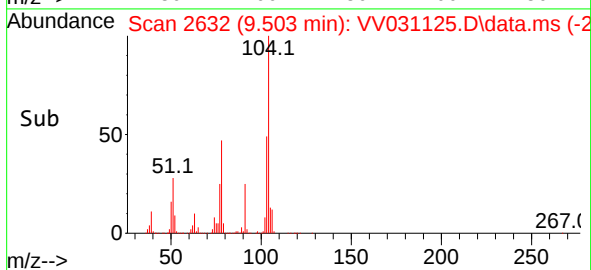
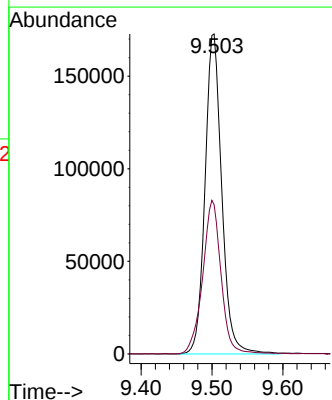
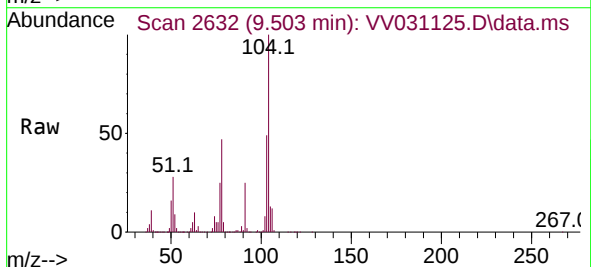
Manual Integrations
APPROVED

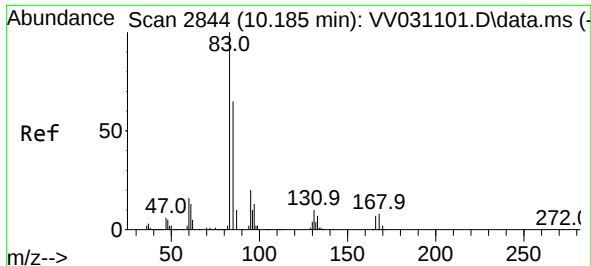
Reviewed By :Krupa Patel 05/25/2023
Supervised By :Mahesh Dadoda 05/25/2023



#55
Styrene
Concen: 50.155 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. -0.000 min
Lab File: VV031125.D
Acq: 19 May 2023 22:39

Tgt Ion:104 Resp: 283965
Ion Ratio Lower Upper
104 100
78 46.7 33.2 61.6





#57

1,1,2,2-Tetrachloroethane

Concen: 48.603 ug/L

RT: 10.185 min Scan# 2844

Delta R.T. -0.000 min

Lab File: VV031125.D

Acq: 19 May 2023 22:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD050347

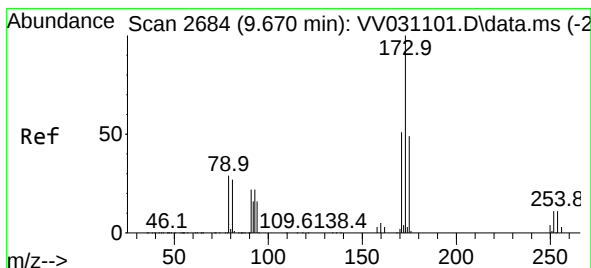
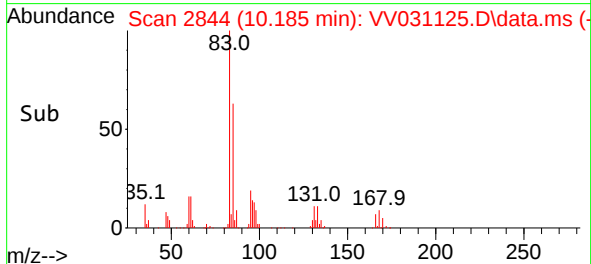
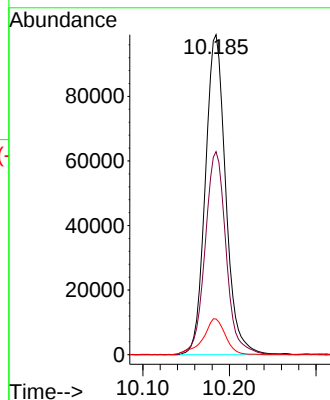
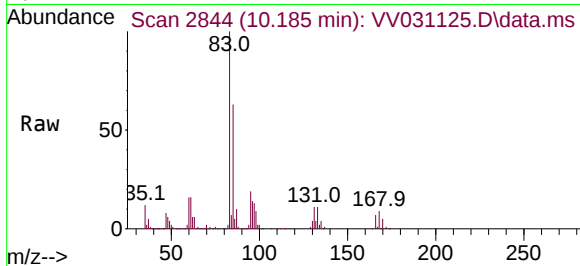
Tgt Ion:	83	Resp:	16198
Ion Ratio	Lower	Upper	
83	100		
85	63.5	45.0	83.6
131	11.2	9.2	13.8

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 05/25/2023

Supervised By :Mahesh Dadoda 05/25/2023



#59

Bromoform

Concen: 49.545 ug/L

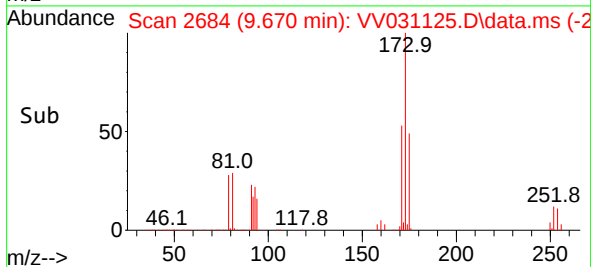
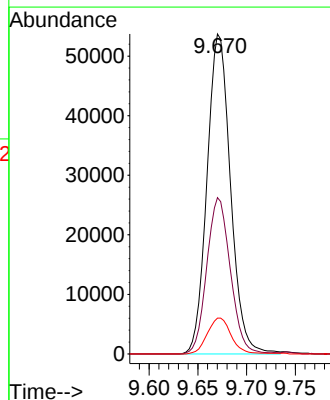
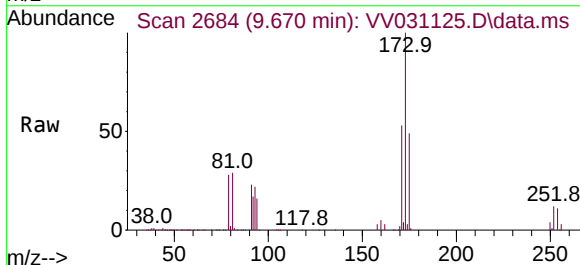
RT: 9.670 min Scan# 2684

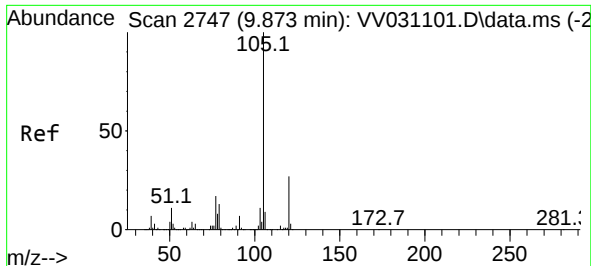
Delta R.T. -0.000 min

Lab File: VV031125.D

Acq: 19 May 2023 22:39

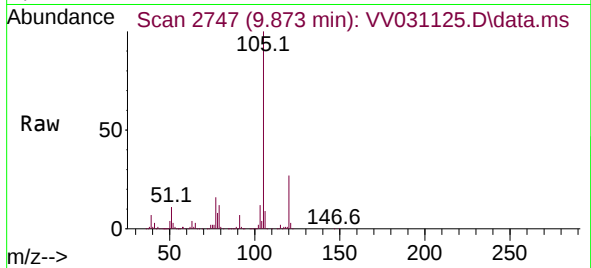
Tgt Ion:	173	Resp:	90244
Ion Ratio	Lower	Upper	
173	100		
175	48.8	38.8	58.2
254	11.5	8.8	13.2





#60
Isopropylbenzene
Concen: 52.171 ug/L
RT: 9.873 min Scan# 2747
Delta R.T. -0.000 min
Lab File: VV031125.D
Acq: 19 May 2023 22:39

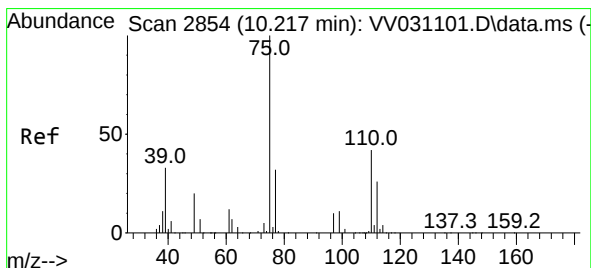
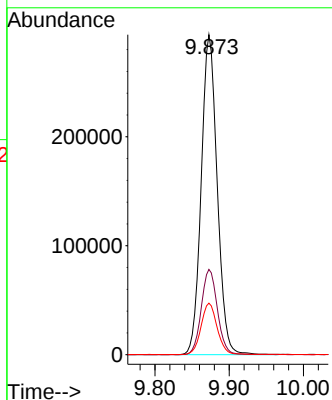
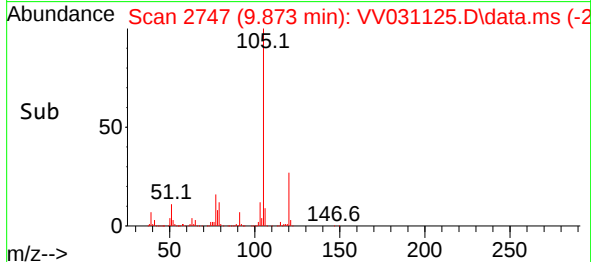
Instrument : MSVOA_V
ClientSampleId : VSTD050347



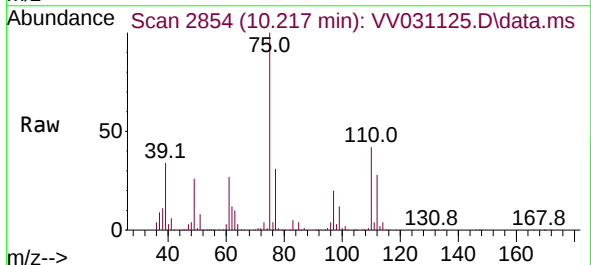
Tgt Ion: 105 Resp: 43830
Ion Ratio Lower Upper
105 100
120 26.8 21.4 32.0
77 16.2 13.0 19.6

Manual Integrations
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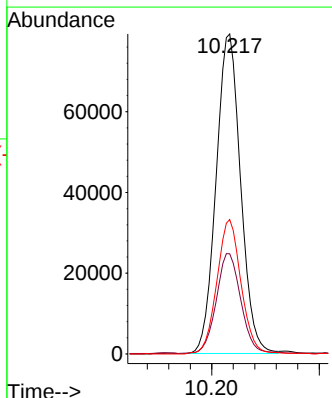
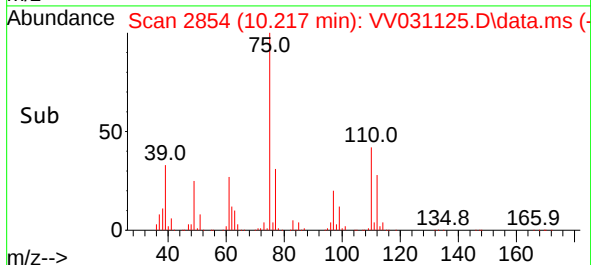
Reviewed By :Krupa Patel 05/25/2023
Supervised By :Mahesh Dadoda 05/25/2023

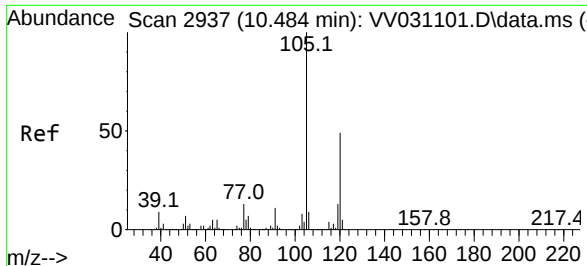


#61
1,2,3-Trichloropropane
Concen: 51.827 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. -0.000 min
Lab File: VV031125.D
Acq: 19 May 2023 22:39



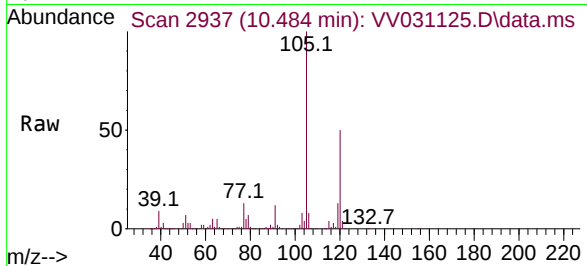
Tgt Ion: 75 Resp: 125244
Ion Ratio Lower Upper
75 100
77 31.5 25.5 38.3
110 41.5 32.5 48.7





#62
1,3,5-Trimethylbenzene
Concen: 51.587 ug/L
RT: 10.484 min Scan# 2937
Delta R.T. -0.000 min
Lab File: VV031125.D
Acq: 19 May 2023 22:39

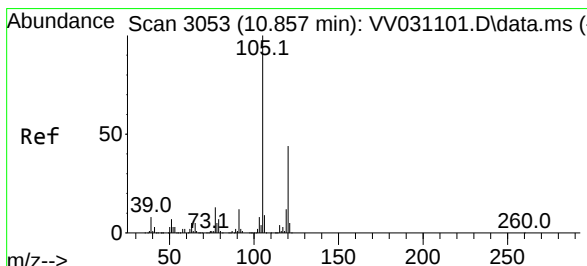
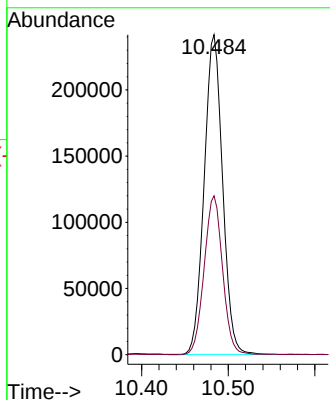
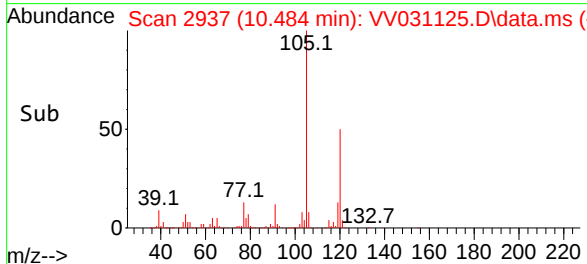
Instrument : MSVOA_V
ClientSampleId : VSTD050347



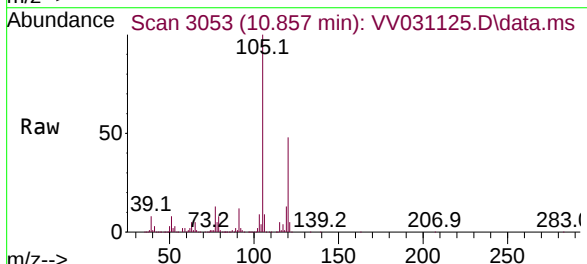
Tgt Ion:105 Resp: 356240
Ion Ratio Lower Upper
105 100
120 49.8 40.5 60.7

Manual Integrations
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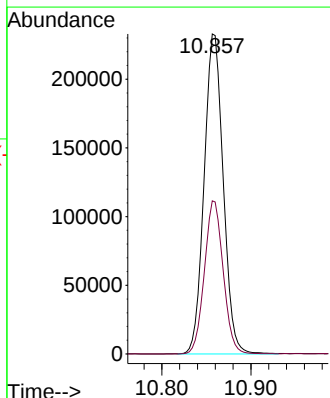
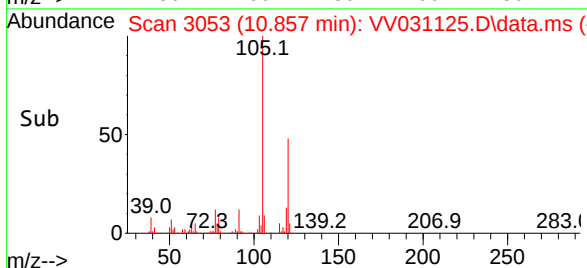
Reviewed By :Krupa Patel 05/25/2023
Supervised By :Mahesh Dadoda 05/25/2023

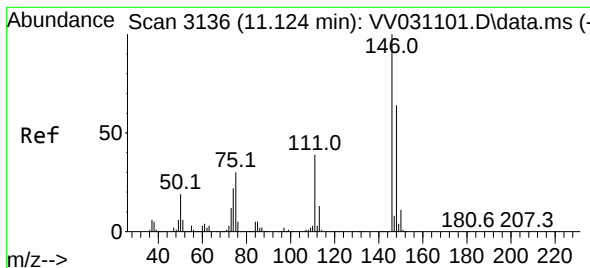


#63
1,2,4-Trimethylbenzene
Concen: 51.342 ug/L
RT: 10.857 min Scan# 3053
Delta R.T. -0.000 min
Lab File: VV031125.D
Acq: 19 May 2023 22:39



Tgt Ion:105 Resp: 346666
Ion Ratio Lower Upper
105 100
120 47.1 37.5 56.3





#64

1,3-Dichlorobenzene

Concen: 49.885 ug/L

RT: 11.123 min Scan# 3136

Delta R.T. -0.000 min

Lab File: VV031125.D

Acq: 19 May 2023 22:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD050347

Tgt Ion:146 Resp: 21473

Ion Ratio Lower Upper

146 100

111 37.6 27.2 50.4

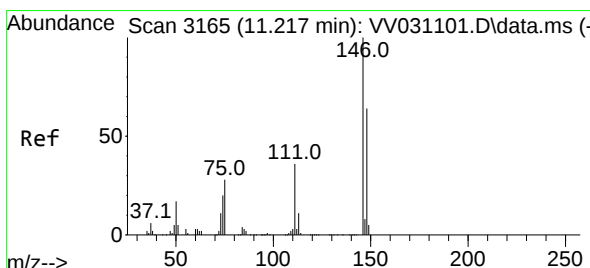
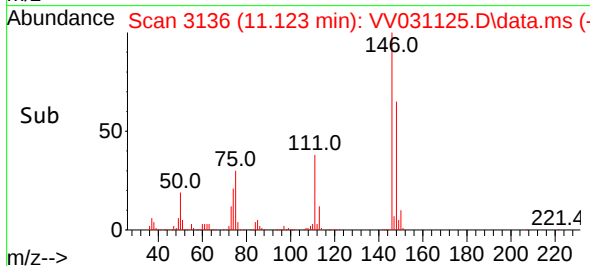
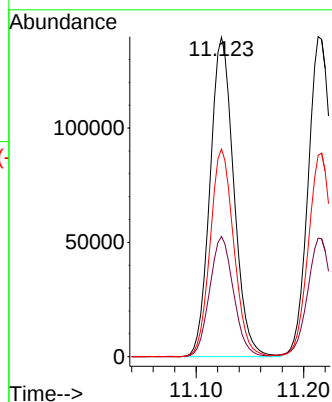
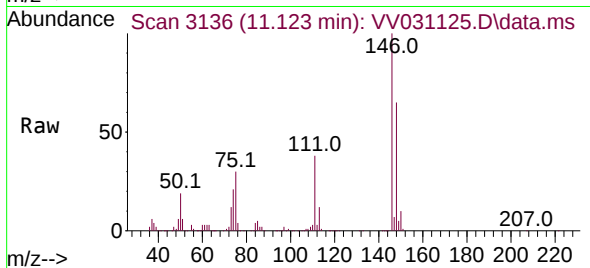
148 65.0 44.4 82.5

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 05/25/2023

Supervised By :Mahesh Dadoda 05/25/2023



#65

1,4-Dichlorobenzene

Concen: 49.498 ug/L

RT: 11.213 min Scan# 3164

Delta R.T. -0.003 min

Lab File: VV031125.D

Acq: 19 May 2023 22:39

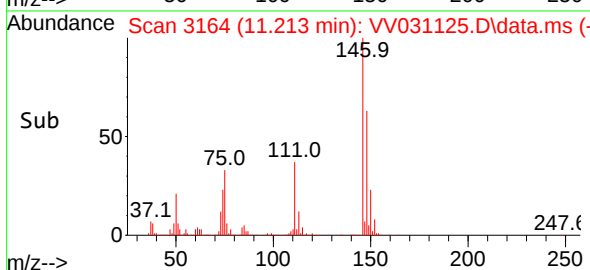
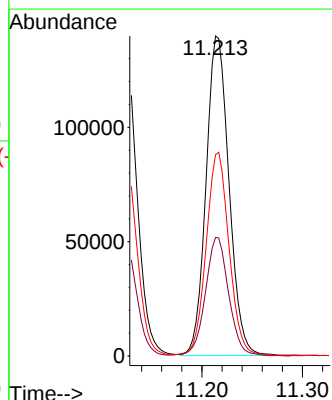
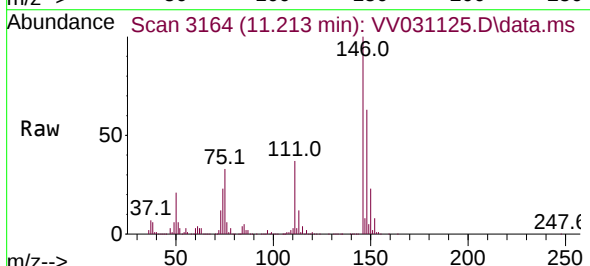
Tgt Ion:146 Resp: 221667

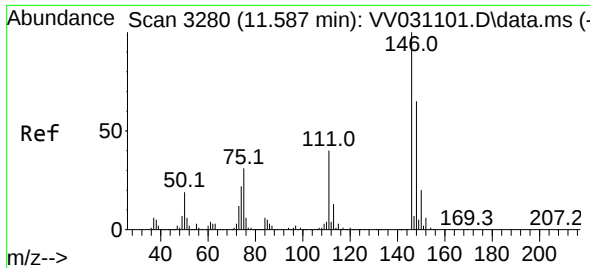
Ion Ratio Lower Upper

146 100

111 37.1 25.5 47.3

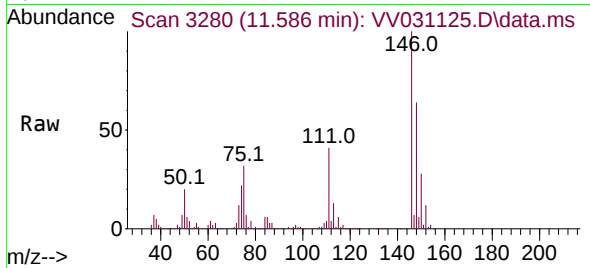
148 62.9 44.5 82.7





#67
1,2-Dichlorobenzene
Concen: 51.443 ug/L
RT: 11.586 min Scan# 3111
Delta R.T. -0.000 min
Lab File: VV031125.D
Acq: 19 May 2023 22:39

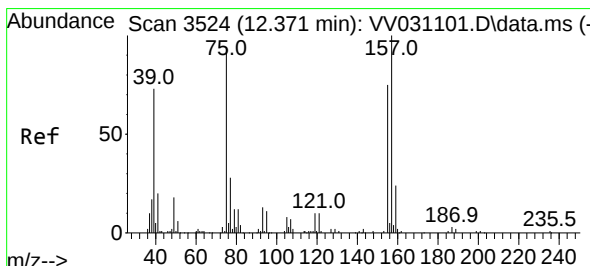
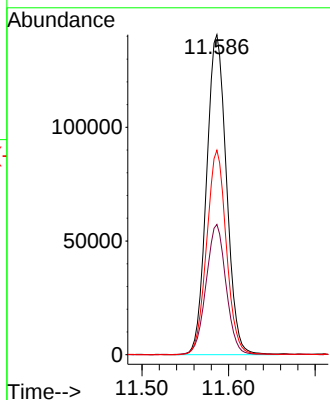
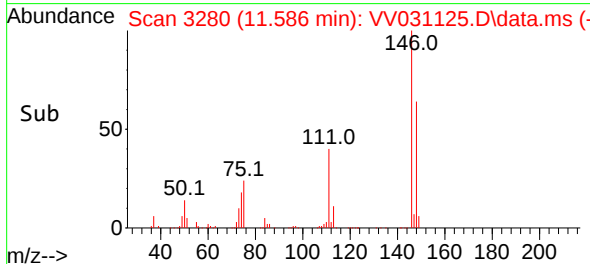
Instrument :
MSVOA_V
ClientSampleId :
VSTD050347



Tgt Ion:146 Resp: 224690
Ion Ratio Lower Upper
146 100
111 40.7 31.4 47.2
148 63.9 50.2 75.4

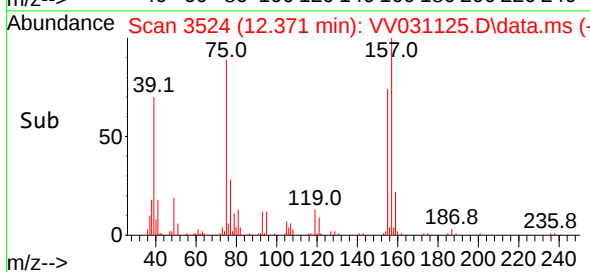
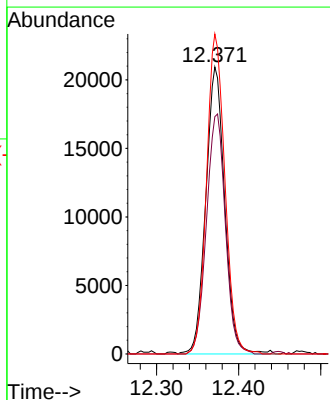
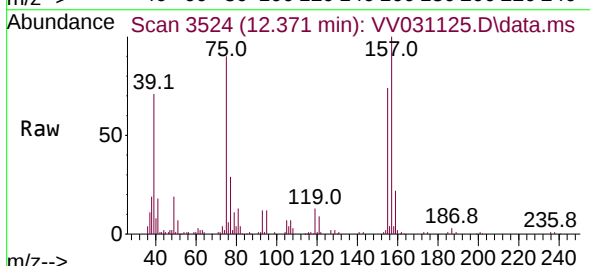
Manual Integrations
APPROVED

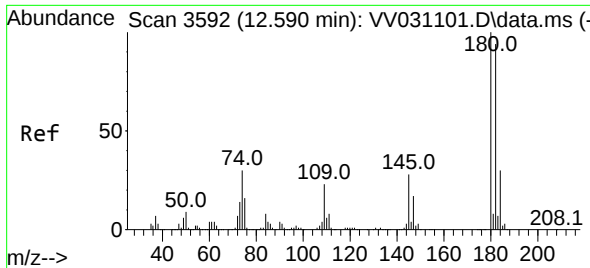
Reviewed By :Krupa Patel 05/25/2023
Supervised By :Mahesh Dadoda 05/25/2023



#68
1,2-Dibromo-3-chloropropane
Concen: 45.279 ug/L
RT: 12.371 min Scan# 3524
Delta R.T. -0.000 min
Lab File: VV031125.D
Acq: 19 May 2023 22:39

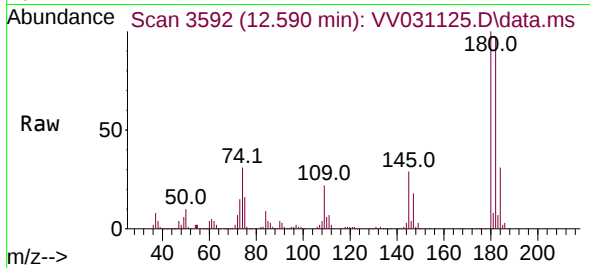
Tgt Ion: 75 Resp: 33589
Ion Ratio Lower Upper
75 100
155 82.6 70.9 106.3
157 111.5 88.1 132.1





#69
 1,3,5-Trichlorobenzene
 Concen: 42.851 ug/L
 RT: 12.590 min Scan# 3592
 Delta R.T. -0.000 min
 Lab File: VV031125.D
 Acq: 19 May 2023 22:39

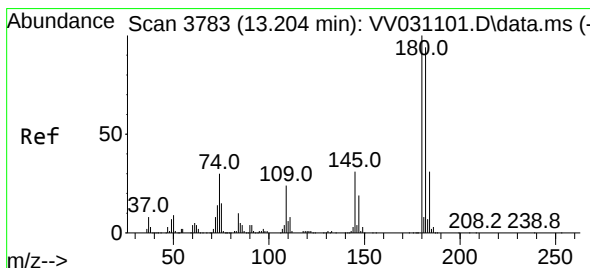
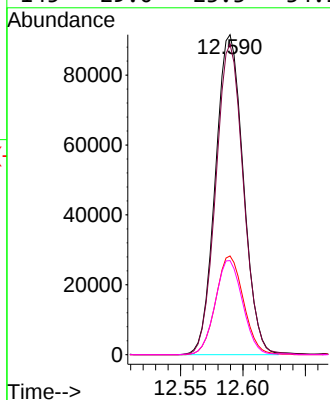
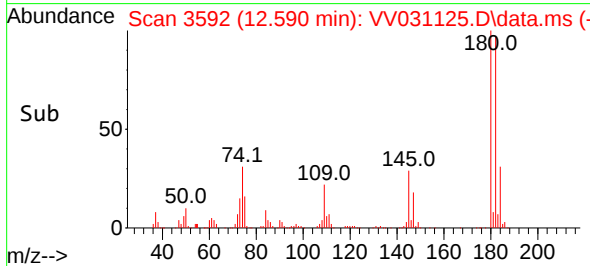
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050347



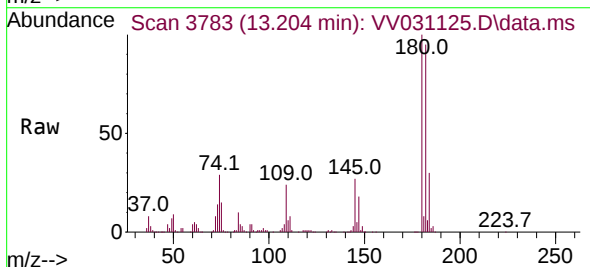
Tgt Ion:180 Resp: 142590
 Ion Ratio Lower Upper
 180 100
 182 96.1 76.6 115.0
 184 30.7 24.6 37.0
 145 29.0 23.3 34.9

Manual Integrations
 APPROVED

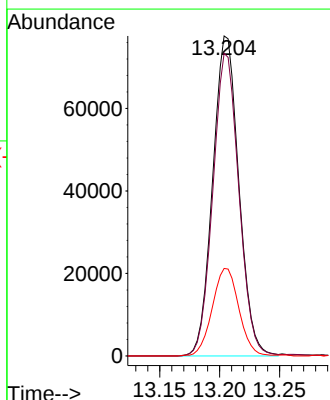
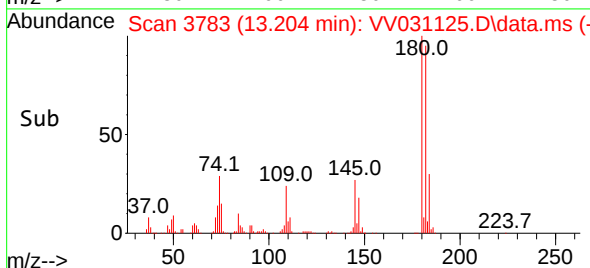
Reviewed By :Krupa Patel 05/25/2023
 Supervised By :Mahesh Dadoda 05/25/2023

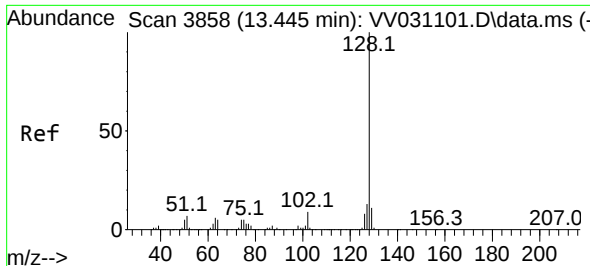


#70
 1,2,4-trichlorobenzene
 Concen: 41.437 ug/L
 RT: 13.204 min Scan# 3783
 Delta R.T. -0.000 min
 Lab File: VV031125.D
 Acq: 19 May 2023 22:39



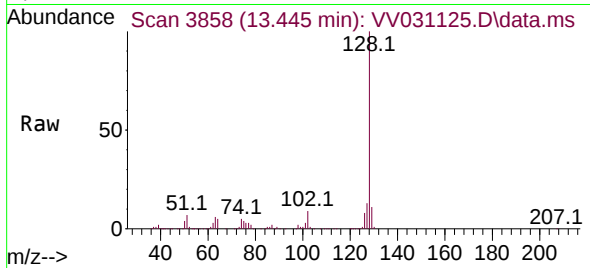
Tgt Ion:180 Resp: 117347
 Ion Ratio Lower Upper
 180 100
 182 94.0 75.4 113.2
 145 27.9 23.1 34.7





#71
Naphthalene
Concen: 41.137 ug/L
RT: 13.445 min Scan# 3858
Delta R.T. -0.000 min
Lab File: VV031125.D
Acq: 19 May 2023 22:39

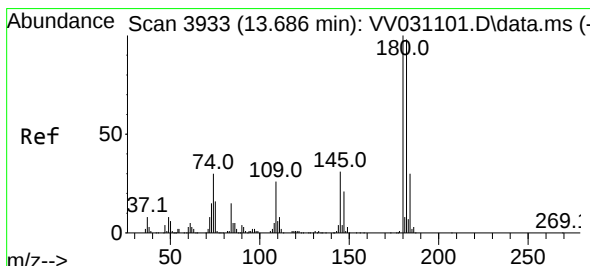
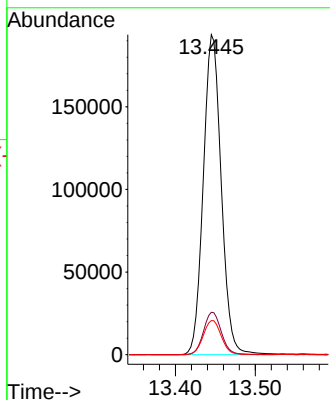
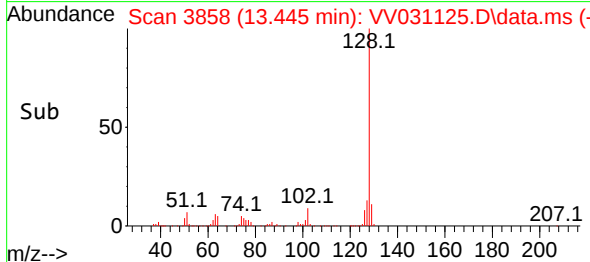
Instrument :
MSVOA_V
ClientSampleId :
VSTD050347



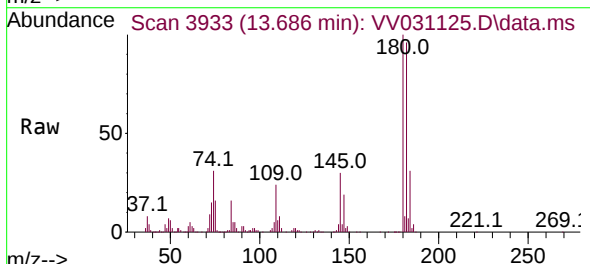
Tgt Ion:128 Resp: 302604
Ion Ratio Lower Upper
128 100
127 13.2 10.6 16.0
129 10.8 8.8 13.2

Manual Integrations
APPROVED

Reviewed By :Krupa Patel 05/25/2023
Supervised By :Mahesh Dadoda 05/25/2023



#72
1,2,3-Trichlorobenzene
Concen: 42.826 ug/L
RT: 13.686 min Scan# 3933
Delta R.T. -0.000 min
Lab File: VV031125.D
Acq: 19 May 2023 22:39



Tgt Ion:180 Resp: 121195
Ion Ratio Lower Upper
180 100
182 97.2 75.4 113.0
145 31.3 24.2 36.4

