

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW112022\
 Data File : VW029257.D
 Acq On : 21 Nov 2022 05:02
 Operator : SY/MD
 Sample : N5725-08
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BHB64

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 11/21/2022
 Supervised By :Mahesh Dadoda 11/21/2022

Quant Time: Nov 21 05:41:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Nov 21 03:37:08 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	501469	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	447857	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	233793	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	127156	4.159	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.200%
7) Chloroethane-d5	1.564	69	103513	3.851	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	77.000%
11) 1,1-Dichloroethene-d2	2.105	63	167363	3.004	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.000%
20) 2-Butanone-d5	3.883	46	302085	59.028	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.060%
24) Chloroform-d	4.339	84	232336	3.702	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	74.000%
26) 1,2-Dichloroethane-d4	5.024	65	104364	3.696	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.000%
32) Benzene-d6	5.043	84	496806	3.716	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	74.400%
36) 1,2-Dichloropropane-d6	6.063	67	153646	4.116	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	82.400%
41) Toluene-d8	7.307	98	436268	3.625	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.600%
43) trans-1,3-Dichloroprop...	7.616	79	51857	4.259	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.200%
46) 2-Hexanone-d5	8.082	63	262410	50.496	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.000%
56) 1,1,2,2-Tetrachloroeth...	10.207	84	107177	4.141	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.800%
66) 1,2-Dichlorobenzene-d4	11.615	152	162344	3.881	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	77.600%#
Target Compounds						Qvalue
3) Chloromethane	1.240	50	10677m	0.308	ug/L	
5) Vinyl chloride	1.307	62	978829	24.734	ug/L	99
12) 1,1-Dichloroethene	2.114	96	30017	0.989	ug/L	# 1
14) Carbon disulfide	2.294	76	191094	1.773	ug/L	98
17) Methyl tert-butyl Ether	2.761	73	89995	1.383	ug/L	96
18) trans-1,2-Dichloroethene	2.761	96	5061	0.144	ug/L	92
19) 1,1-Dichloroethane	3.182	63	906036	15.741	ug/L	99
22) cis-1,2-Dichloroethene	3.899	96	1177809	32.905	ug/L	97
27) 1,2-Dichloroethane	5.127	62	26128	0.841	ug/L	98
29) 1,1,1-Trichloroethane	4.600	97	239783	4.563	ug/L	99
33) Benzene	5.092	78	204718	1.496	ug/L	100
34) Trichloroethene	5.908	95	44926	1.282	ug/L	96
42) Toluene	7.381	91	412925	2.793	ug/L	99
52) Ethylbenzene	9.005	91	662525	4.304	ug/L	100
53) m,p-Xylene	9.127	106	919162	15.015	ug/L	99
54) o-Xylene	9.535	106	593885	10.205	ug/L	98
60) Isopropylbenzene	9.921	105	215872	1.423	ug/L	99
62) 1,3,5-Trimethylbenzene	10.529	105	687441	5.347	ug/L	99
63) 1,2,4-Trimethylbenzene	10.905	105	904405	7.023	ug/L	99

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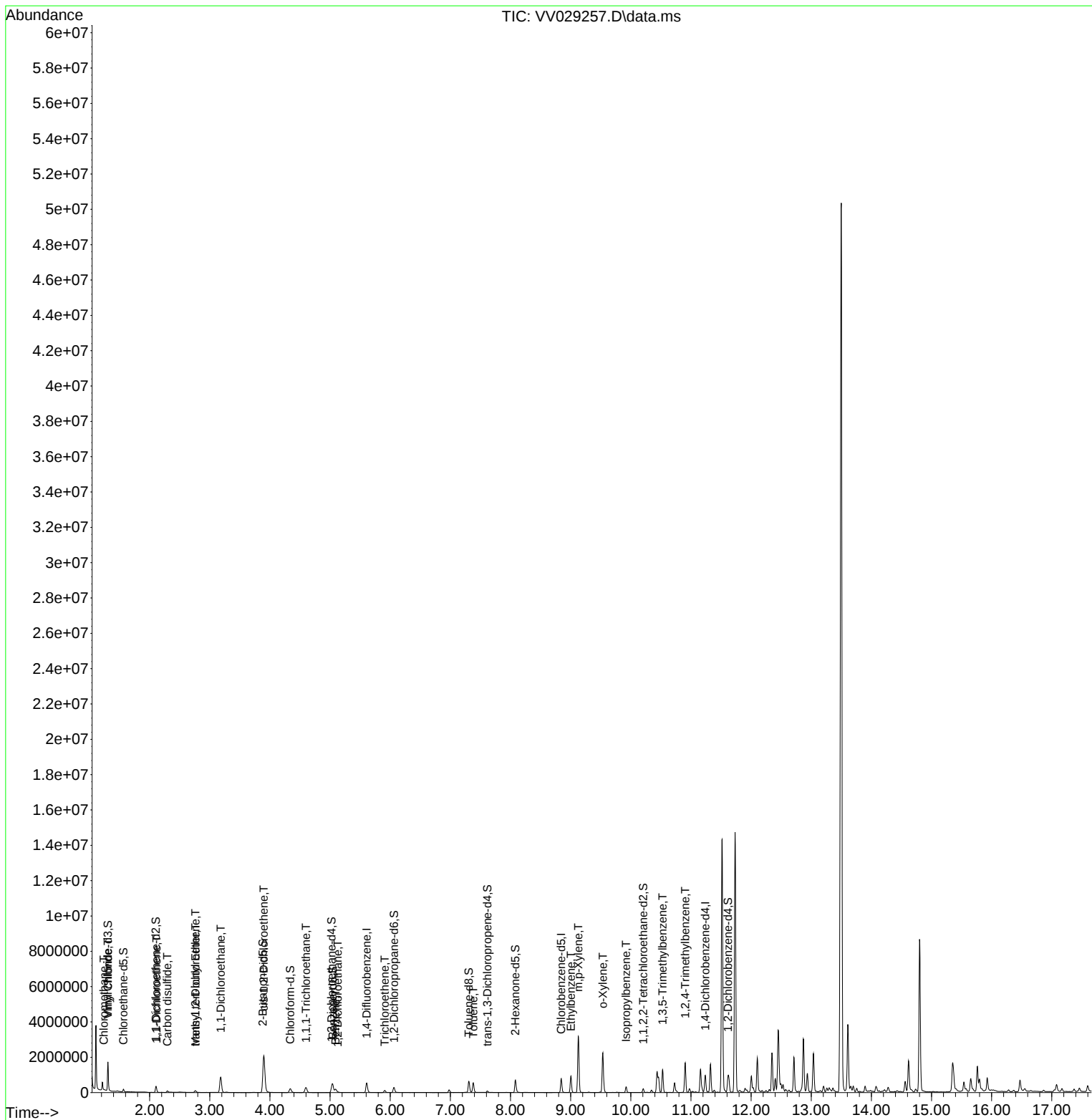
Quant Time: Nov 21 05:41:15 2022
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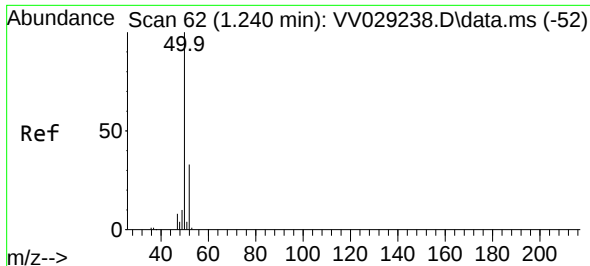
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Manual Integrations

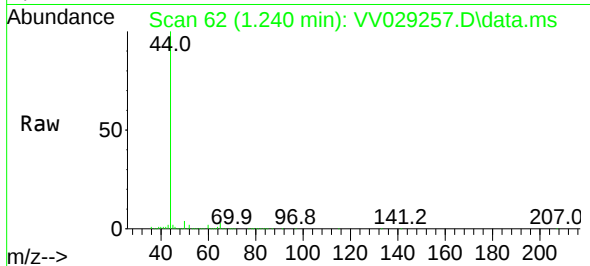
Quant Time: Nov 21 05:41:15 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111122WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Mon Nov 21 03:37:08 2022
Response via : Initial Calibration





#3
Chloromethane
Concen: 0.308 ug/L m
RT: 1.240 min Scan# 61
Delta R.T. -0.000 min
Lab File: VV029257.D
Acq: 21 Nov 2022 05:02

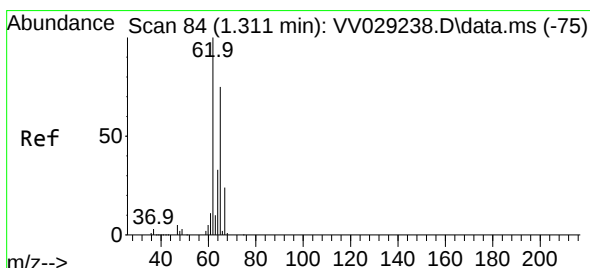
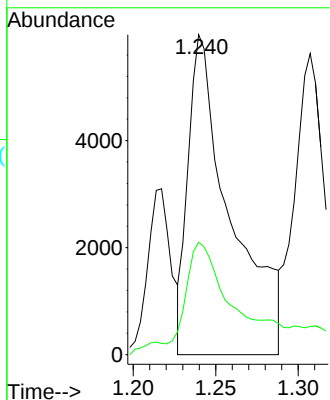
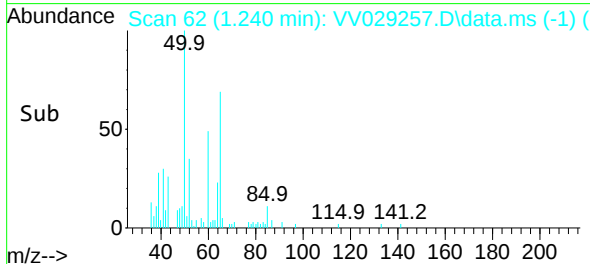
Instrument :
MSVOA_V
ClientSampleId :
BHB64



Tgt Ion: 50 Resp: 1067
Ion Ratio Lower Upper
50 100
52 35.1 23.7 43.9

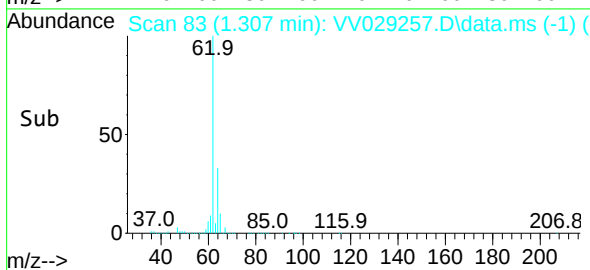
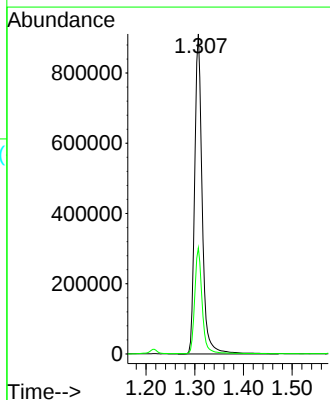
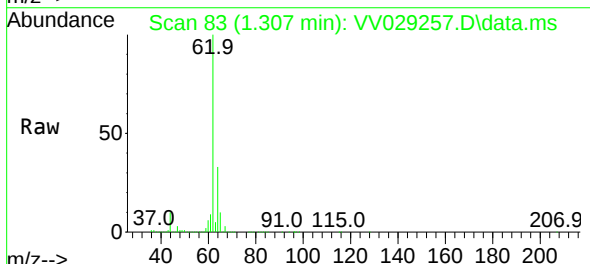
Manual Integrations
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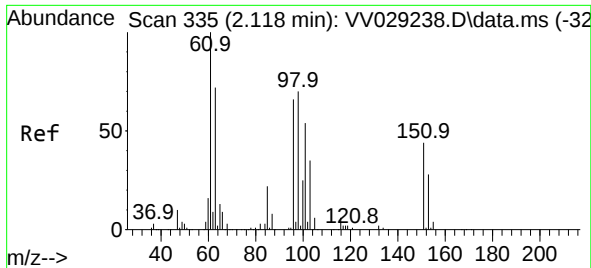
Reviewed By :Krupa Patel 11/21/2022
Supervised By :Mahesh Dadoda 11/21/2022



#5
Vinyl chloride
Concen: 24.734 ug/L
RT: 1.307 min Scan# 83
Delta R.T. -0.003 min
Lab File: VV029257.D
Acq: 21 Nov 2022 05:02

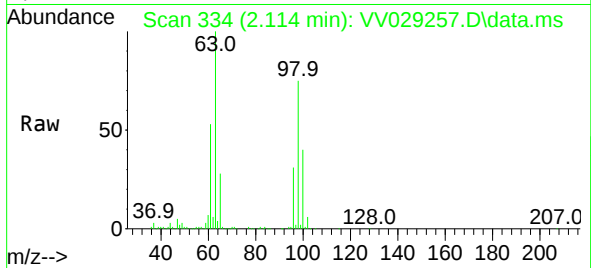
Tgt Ion: 62 Resp: 978829
Ion Ratio Lower Upper
62 100
64 33.2 22.8 42.4





#12
1,1-Dichloroethene
Concen: 0.989 ug/L
RT: 2.114 min Scan# 311
Delta R.T. -0.003 min
Lab File: VV029257.D
Acq: 21 Nov 2022 05:02

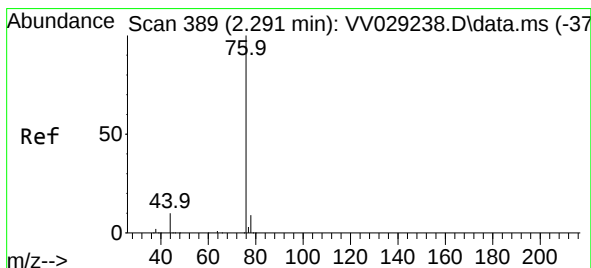
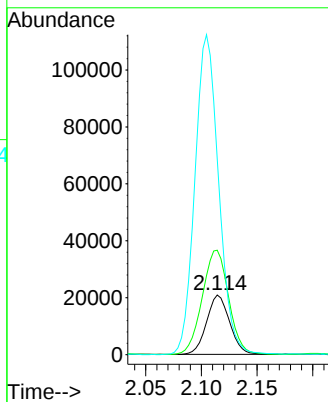
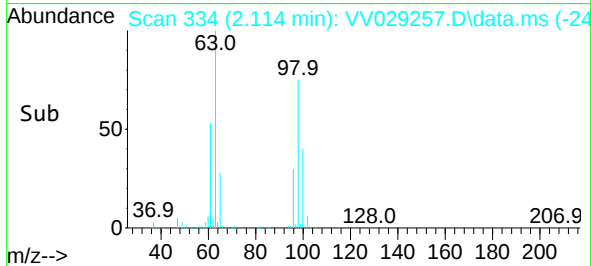
Instrument :
MSVOA_V
ClientSampleId :
BHB64



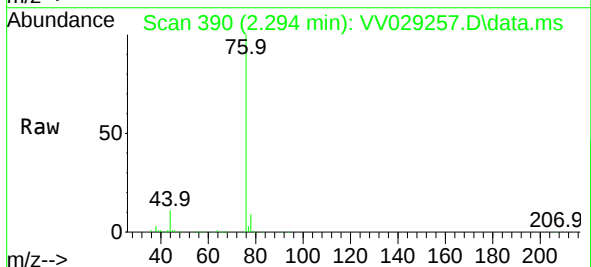
Tgt Ion: 96 Resp: 3001
Ion Ratio Lower Upper
96 100
61 175.1 104.2 193.4
63 327.9 75.9 140.9

Manual Integrations
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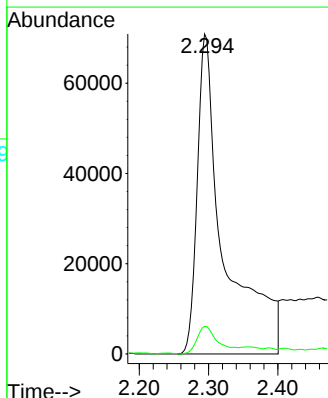
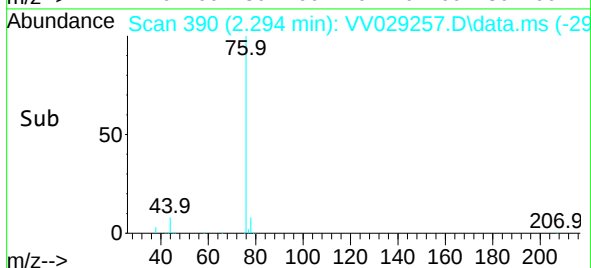
Reviewed By :Krupa Patel 11/21/2022
Supervised By :Mahesh Dadoda 11/21/2022

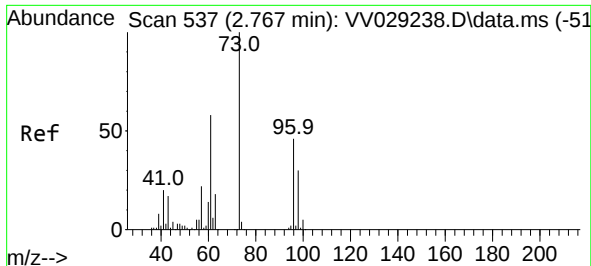


#14
Carbon disulfide
Concen: 1.773 ug/L
RT: 2.294 min Scan# 390
Delta R.T. 0.003 min
Lab File: VV029257.D
Acq: 21 Nov 2022 05:02



Tgt Ion: 76 Resp: 191094
Ion Ratio Lower Upper
76 100
78 8.7 7.4 11.2





#17

Methyl tert-butyl Ether

Concen: 1.383 ug/L

RT: 2.761 min Scan# 51

Delta R.T. -0.007 min

Lab File: VV029257.D

Acq: 21 Nov 2022 05:02

Instrument :

MSVOA_V

ClientSampleId :

BHB64

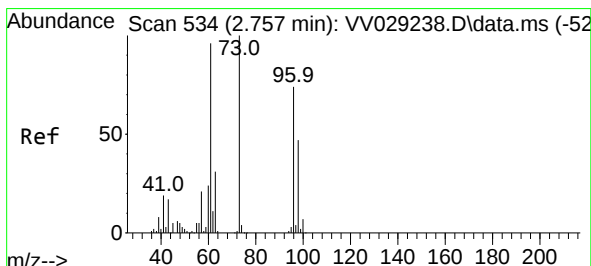
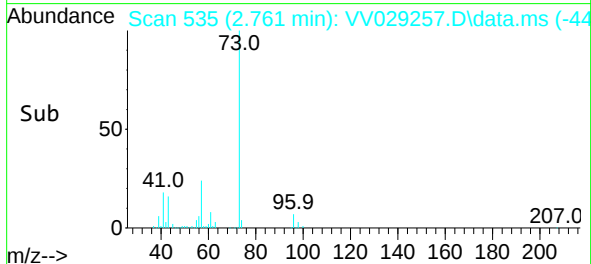
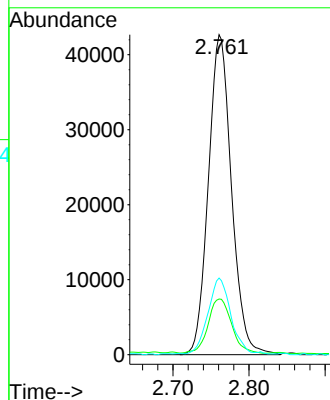
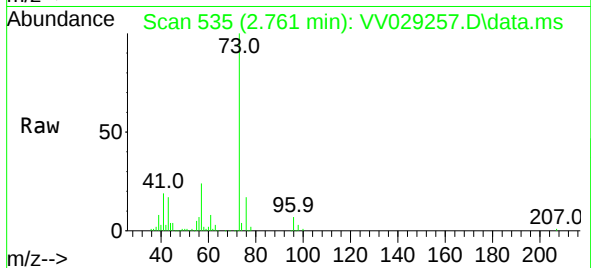
Tgt Ion: 73	Resp: 8999
Ion Ratio	Lower Upper
73 100	
43 17.4	13.0 19.4
57 23.2	16.6 24.8

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#18

trans-1,2-Dichloroethene

Concen: 0.144 ug/L

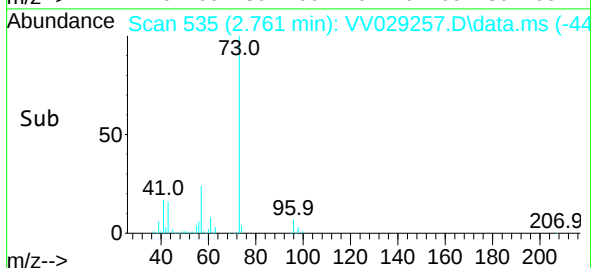
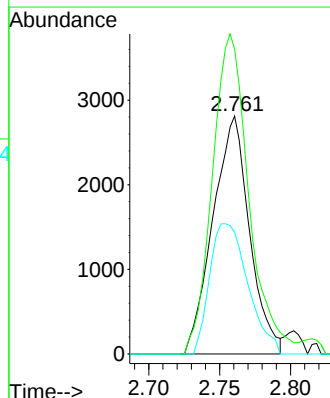
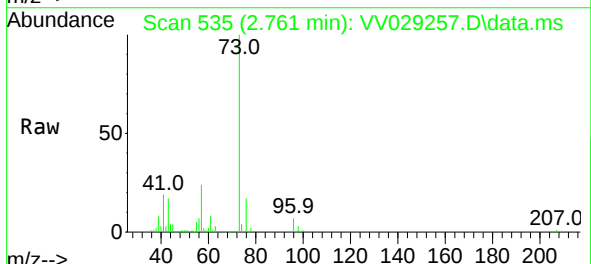
RT: 2.761 min Scan# 535

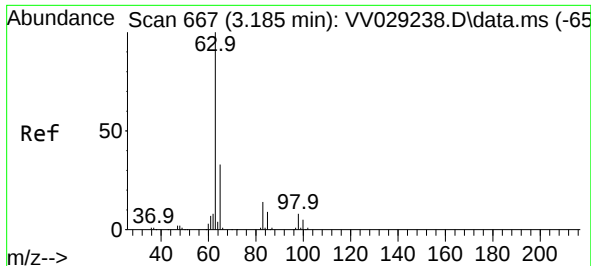
Delta R.T. 0.003 min

Lab File: VV029257.D

Acq: 21 Nov 2022 05:02

Tgt Ion: 96	Resp: 5061
Ion Ratio	Lower Upper
96 100	
61 128.2	91.8 170.6
98 51.3	46.4 86.2





#19

1,1-Dichloroethane

Concen: 15.741 ug/L

RT: 3.182 min Scan# 60

Delta R.T. -0.003 min

Lab File: VV029257.D

Acq: 21 Nov 2022 05:02

Instrument :

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Tgt Ion: 63 Resp: 906030

Ion Ratio Lower Upper

63 100

65 32.3 23.0 42.6

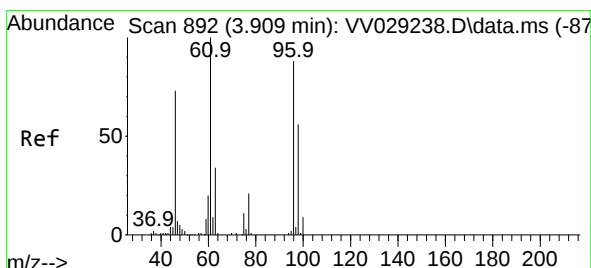
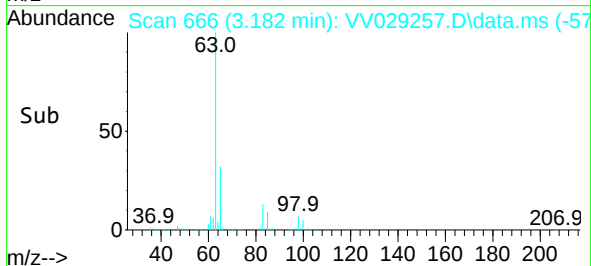
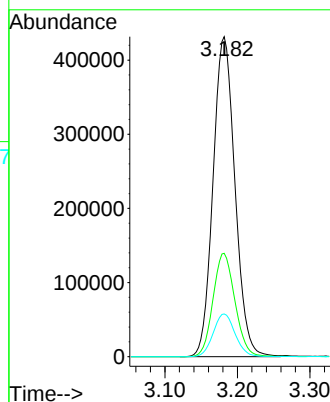
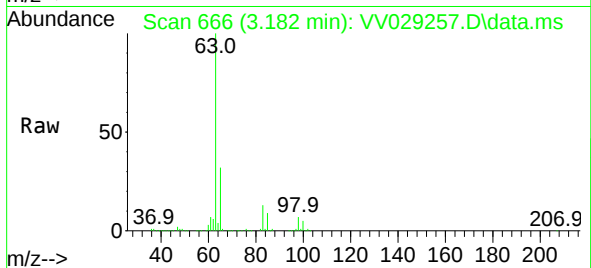
83 13.4 9.4 17.6

Manual Integrations

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#22

cis-1,2-Dichloroethene

Concen: 32.905 ug/L

RT: 3.899 min Scan# 889

Delta R.T. -0.010 min

Lab File: VV029257.D

Acq: 21 Nov 2022 05:02

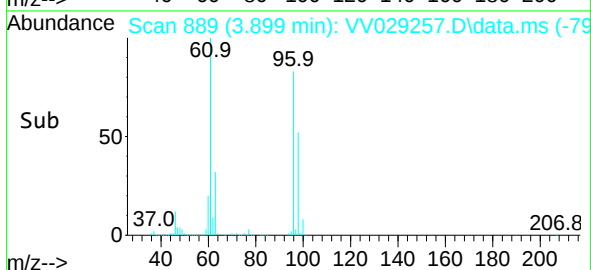
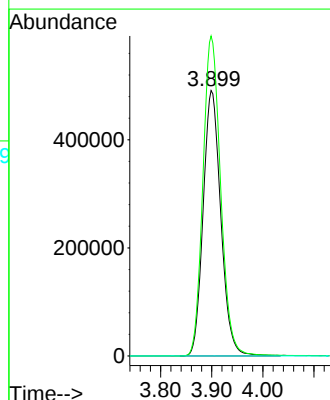
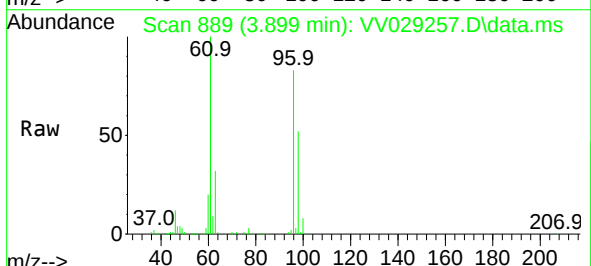
Tgt Ion: 96 Resp: 1177809

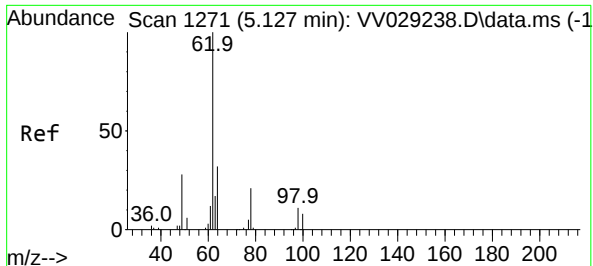
Ion Ratio Lower Upper

96 100

61 120.5 82.3 152.9

68 0.0 0.0 0.0





#27

1,2-Dichloroethane

Concen: 0.841 ug/L

RT: 5.127 min Scan# 1107

Delta R.T. -0.000 min

Lab File: VV029257.D

Acq: 21 Nov 2022 05:02

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MSVOA_V

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Tgt Ion: 62 Resp: 26128

Ion Ratio Lower Upper

62 100

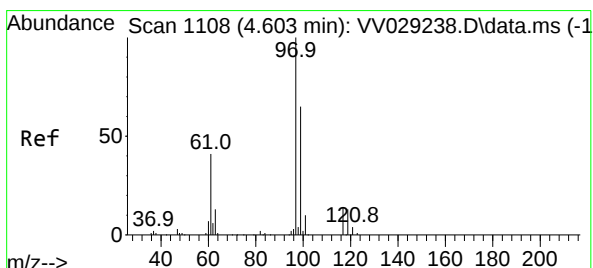
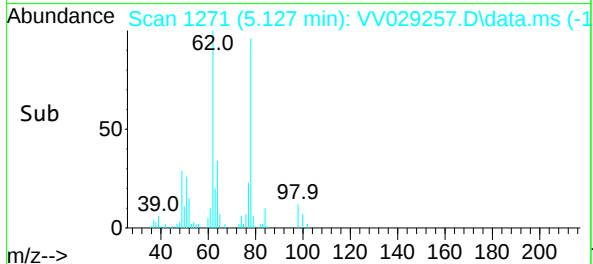
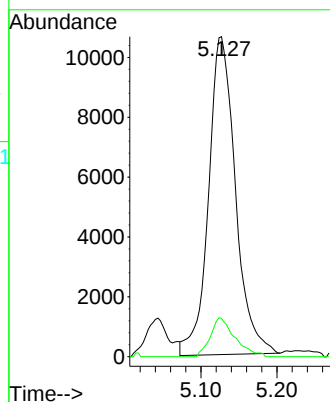
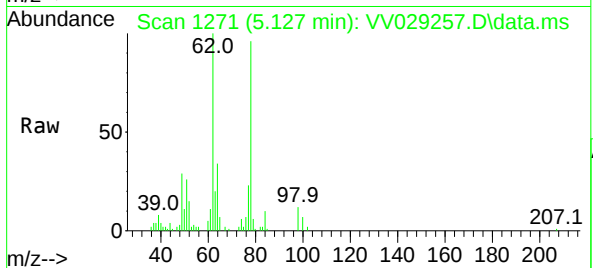
98 11.9 9.0 13.6

Manual Integrations

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#29

1,1,1-Trichloroethane

Concen: 4.563 ug/L

RT: 4.600 min Scan# 1107

Delta R.T. -0.003 min

Lab File: VV029257.D

Acq: 21 Nov 2022 05:02

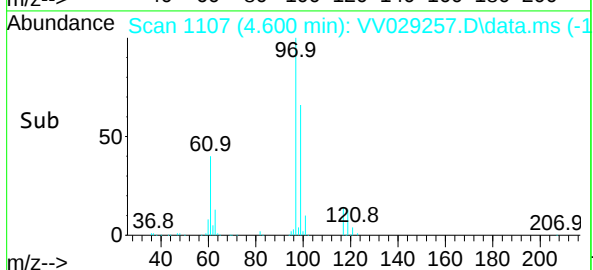
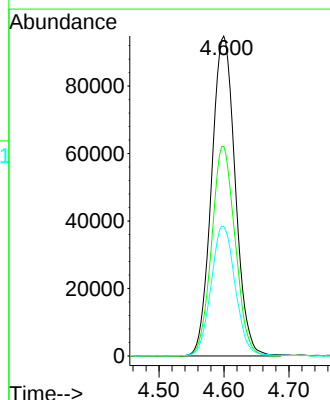
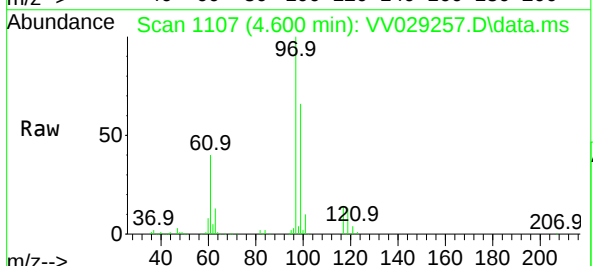
Tgt Ion: 97 Resp: 239783

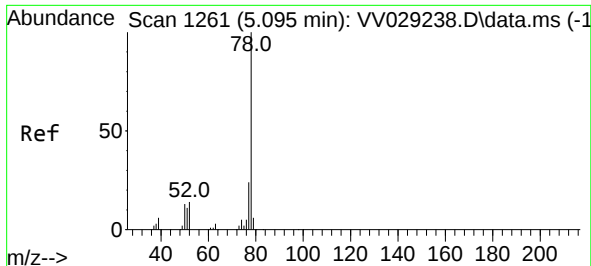
Ion Ratio Lower Upper

97 100

99 65.1 52.7 79.1

61 40.9 33.8 50.6





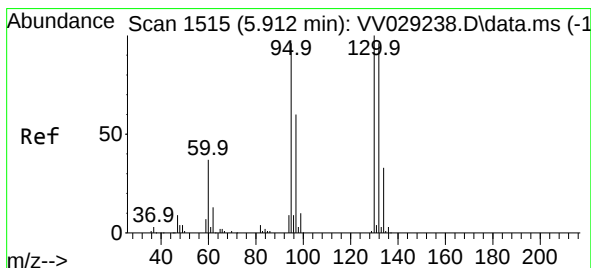
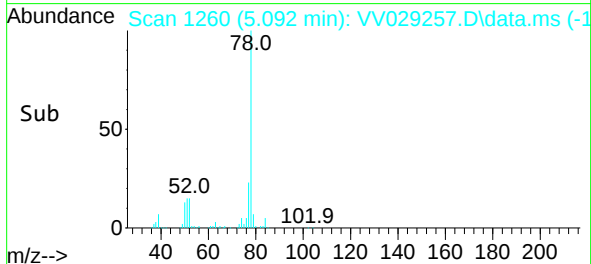
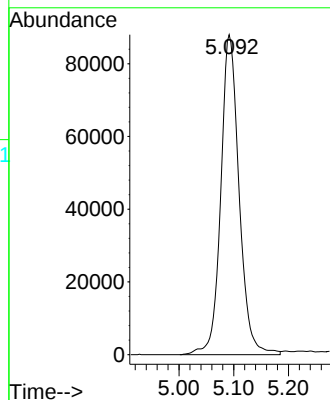
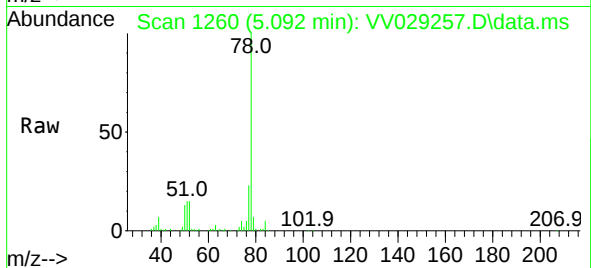
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Benzene
Concen: 1.496 ug/L
RT: 5.092 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV029257.D
Acq: 21 Nov 2022 05:02

Instrument :
MSVOA_V
ClientSampleId :
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Tgt Ion: 78 Resp: 204718

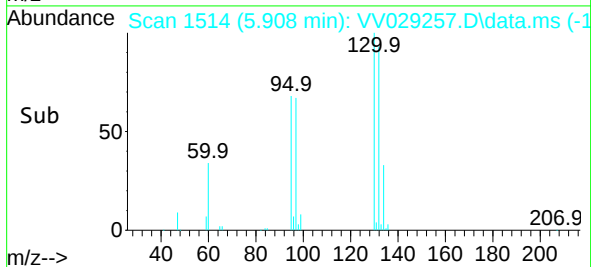
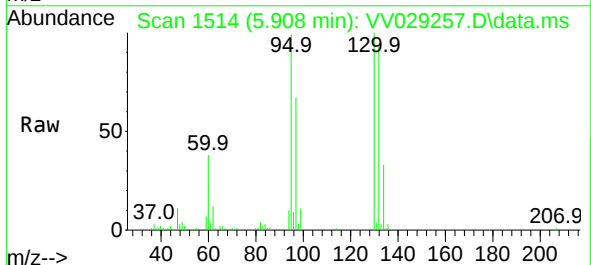
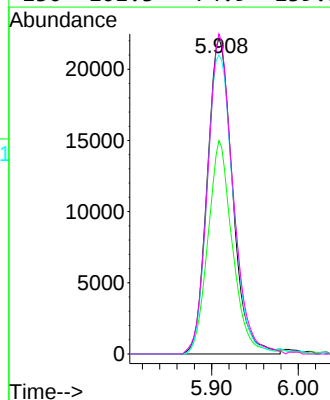
Manual Integrations
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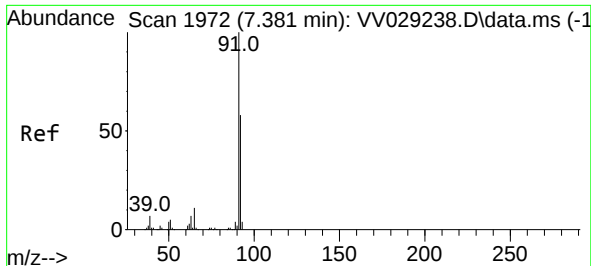
Reviewed By :Krupa Patel 11/21/2022
Supervised By :Mahesh Dadoda 11/21/2022



#34
Trichloroethene
Concen: 1.282 ug/L
RT: 5.908 min Scan# 1514
Delta R.T. -0.003 min
Lab File: VV029257.D
Acq: 21 Nov 2022 05:02

Tgt Ion: 95 Resp: 44926
Ion Ratio Lower Upper
95 100
97 67.6 45.6 84.8
132 94.7 69.1 128.3
130 101.3 74.9 139.1





#42

Toluene

Concen: 2.793 ug/L

RT: 7.381 min Scan# 1972

Delta R.T. -0.000 min

Lab File: VV029257.D

Acq: 21 Nov 2022 05:02

Instrument :

MSVOA_V

ClientSampleId :

BHB64

Tgt Ion: 91 Resp: 412925

Ion Ratio Lower Upper

91 100

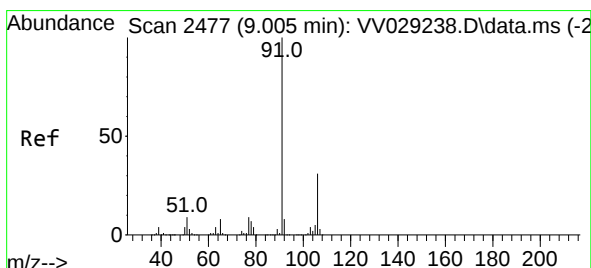
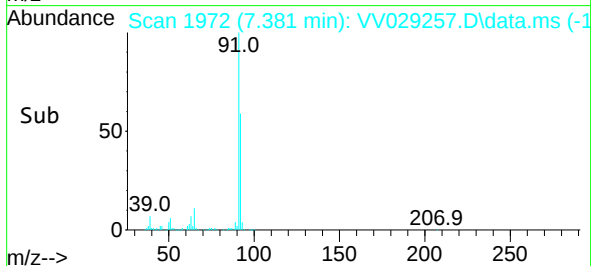
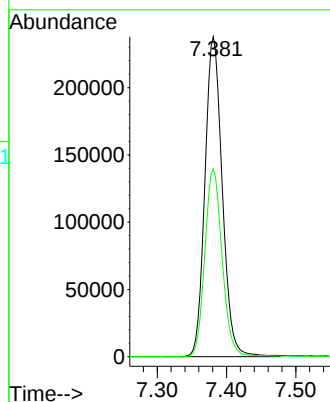
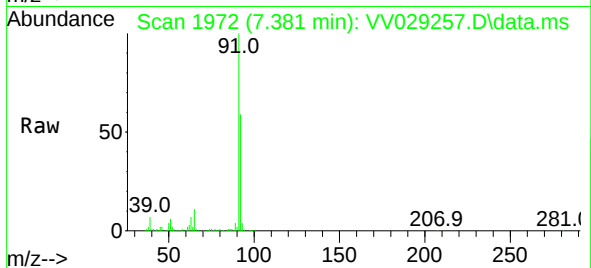
92 58.7 40.7 75.5

Manual Integrations

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Reviewed By :Krupa Patel 11/21/2022

Supervised By :Mahesh Dadoda 11/21/2022



#52

Ethylbenzene

Concen: 4.304 ug/L

RT: 9.005 min Scan# 2477

Delta R.T. -0.000 min

Lab File: VV029257.D

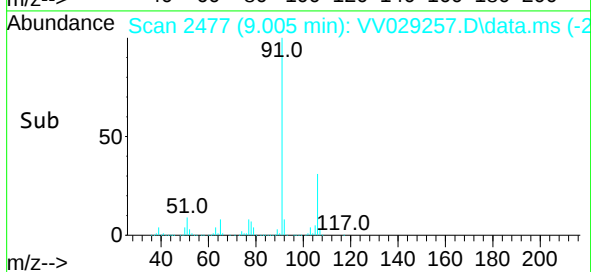
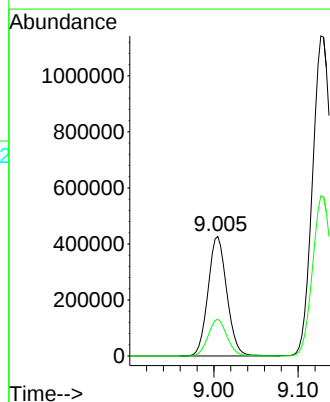
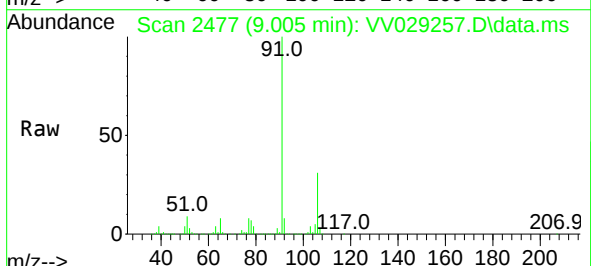
Acq: 21 Nov 2022 05:02

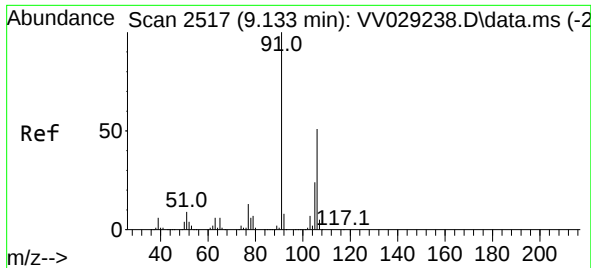
Tgt Ion: 91 Resp: 662525

Ion Ratio Lower Upper

91 100

106 30.7 21.6 40.2





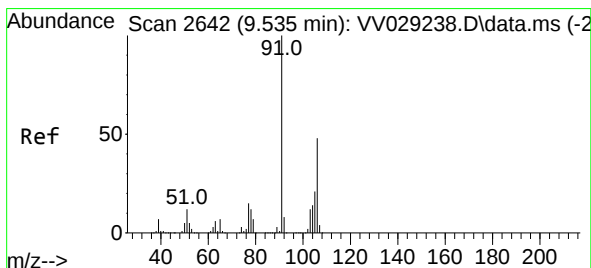
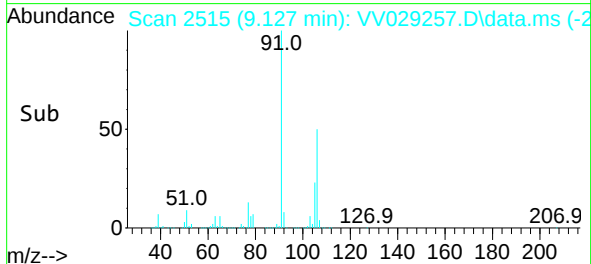
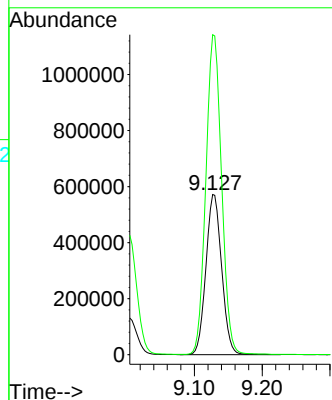
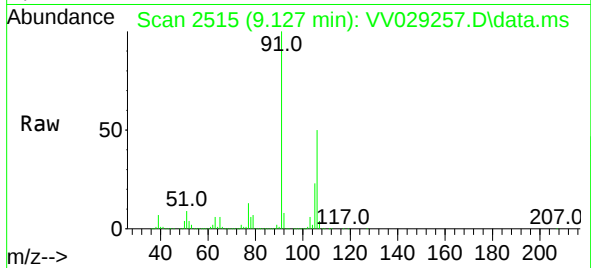
#53
m,p-Xylene
Concen: 15.015 ug/L
RT: 9.127 min Scan# 2517
Delta R.T. -0.007 min
Lab File: VV029257.D
Acq: 21 Nov 2022 05:02

Instrument :
MSVOA_V
ClientSampleId :
BHB64

Tgt Ion:106 Resp: 919162
Ion Ratio Lower Upper
106 100
91 199.8 139.1 258.3

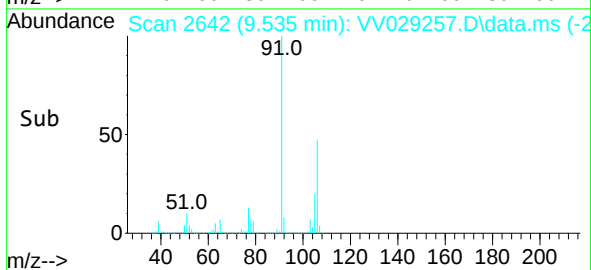
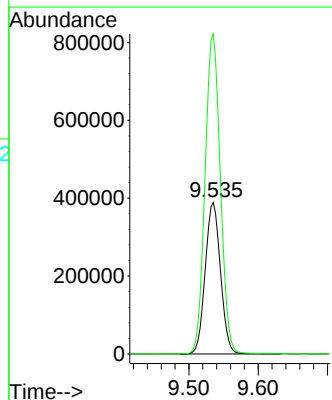
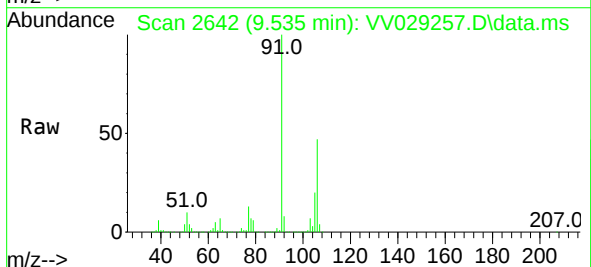
Manual Integrations
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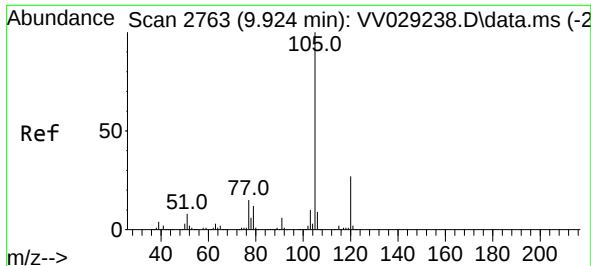
Reviewed By :Krupa Patel 11/21/2022
Supervised By :Mahesh Dadoda 11/21/2022



#54
o-Xylene
Concen: 10.205 ug/L
RT: 9.535 min Scan# 2642
Delta R.T. -0.000 min
Lab File: VV029257.D
Acq: 21 Nov 2022 05:02

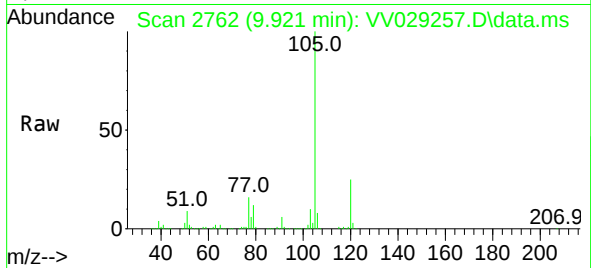
Tgt Ion:106 Resp: 593885
Ion Ratio Lower Upper
106 100
91 211.2 145.7 270.7





#60
Isopropylbenzene
Concen: 1.423 ug/L
RT: 9.921 min Scan# 21587
Delta R.T. -0.003 min
Lab File: VV029257.D
Acq: 21 Nov 2022 05:02

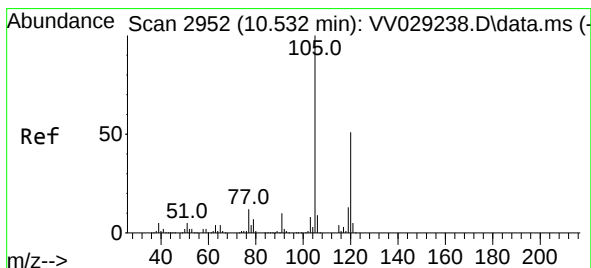
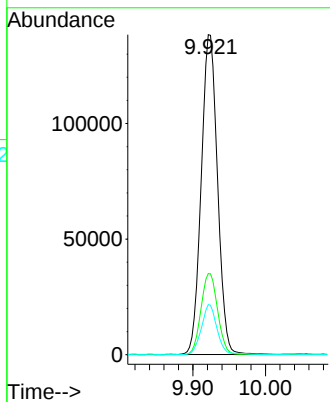
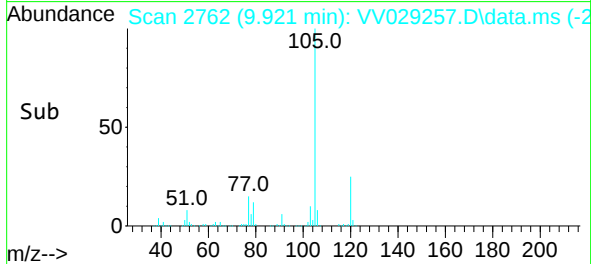
Instrument :
MSVOA_V
ClientSampleId :
BHB64



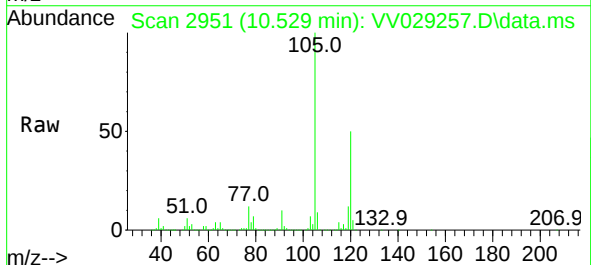
Tgt Ion:105 Resp: 21587
Ion Ratio Lower Upper
105 100
120 25.9 21.3 31.9
77 15.3 11.8 17.8

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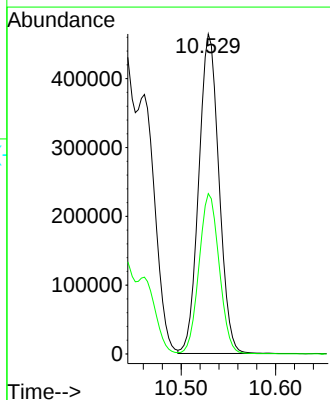
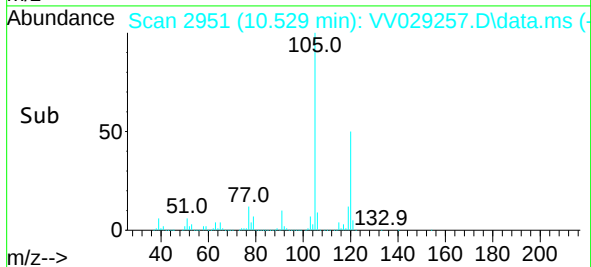
Reviewed By :Krupa Patel 11/21/2022
Supervised By :Mahesh Dadoda 11/21/2022

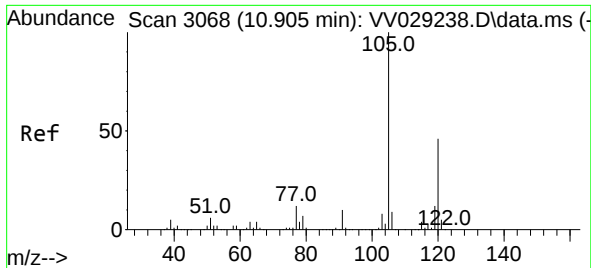


#62
1,3,5-Trimethylbenzene
Concen: 5.347 ug/L
RT: 10.529 min Scan# 2951
Delta R.T. -0.003 min
Lab File: VV029257.D
Acq: 21 Nov 2022 05:02



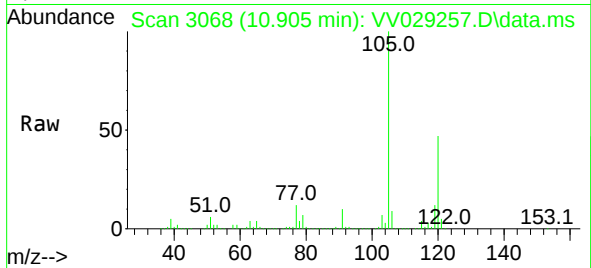
Tgt Ion:105 Resp: 687441
Ion Ratio Lower Upper
105 100
120 50.3 39.9 59.9





#63
 1,2,4-Trimethylbenzene
 Concen: 7.023 ug/L
 RT: 10.905 min Scan# 3068
 Delta R.T. -0.000 min
 Lab File: VV029257.D
 Acq: 21 Nov 2022 05:02

Instrument :
 MSVOA_V
 ClientSampleId :
 BHB64



Tgt Ion:105 Resp: 904405
 Ion Ratio Lower Upper
 105 100
 120 46.4 37.8 56.8

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 11/21/2022
 Supervised By :Mahesh Dadoda 11/21/2022

