

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110821\
 Data File : VX025098.D
 Acq On : 08 Nov 2021 16:21
 Operator : JC/MD
 Sample : M4464-01ME 10X
 Misc : 4.68g/5.0mL/100uL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 GB7K1ME

Quant Time: Nov 09 04:15:01 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML110821WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 09 03:59:51 2021
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/09/2021
 Supervised By : Mahesh Dadoda 11/09/2021

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

Internal Standards						
1) 1,4-Difluorobenzene	6.763	114	203244	50.000	ug/L	# 0.00
28) Chlorobenzene-d5	10.055	117	195505	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.024	152	75970	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	98203	53.435	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 106.880%			
7) Chloroethane-d5	1.666	69	66291	57.537	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 115.080%			
11) 1,1-Dichloroethene-d2	2.306	63	117479	33.187	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 66.380%			
21) 2-Butanone-d5	4.465	46	127120	100.646	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 100.650%			
24) Chloroform-d	5.062	84	175532	48.583	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 97.160%			
26) 1,2-Dichloroethane-d4	5.958	65	123576	52.283	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 104.560%			
32) Benzene-d6	5.976	84	296182	42.549	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 85.100%			
36) 1,2-Dichloropropane-d6	7.312	67	82310	40.129	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 80.260%			
41) Toluene-d8	8.653	98	293329	50.128	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 100.260%			
43) trans-1,3-Dichloroprop...	8.952	79	53735	49.084	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 98.160%			
47) 2-Hexanone-d5	9.390	63	94162	107.472	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 107.470%			
56) 1,1,2,2-Tetrachloroeth...	11.195	84	108055	38.058	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 76.120%			
66) 1,2-Dichlorobenzene-d4	12.323	152	76347	51.271	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 102.540%			
Target Compounds						
5) Vinyl chloride	1.374	62	4183	2.389	ug/L #	66
10) 1,1,2-Trichloro-1,2,2-...	2.331	101	11670	7.073	ug/L #	83
12) 1,1-Dichloroethene	2.325	96	2584	1.781	ug/L #	1
13) Acetone	2.398	43	5785	4.655	ug/L	99
15) Methyl Acetate	2.709	43	3731	2.171	ug/L #	73
19) 1,1-Dichloroethane	3.605	63	21749	7.071	ug/L	95
20) cis-1,2-Dichloroethene	4.489	96	234506	137.474	ug/L	82
30) 1,1,1-Trichloroethane	5.397	97	6738m	1.902	ug/L	
34) Trichloroethene	7.123	95	89558	47.793	ug/L	97
42) Toluene	8.720	91	1902027	271.588	ug/L	97
46) Tetrachloroethene	9.269	164	2289	2.206	ug/L	86
52) Ethylbenzene	10.195	91	6281	0.834	ug/L	96
53) m,p-Xylene	10.305	106	8526	3.113	ug/L	84
54) o-Xylene	10.646	106	2597	1.002	ug/L	90

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

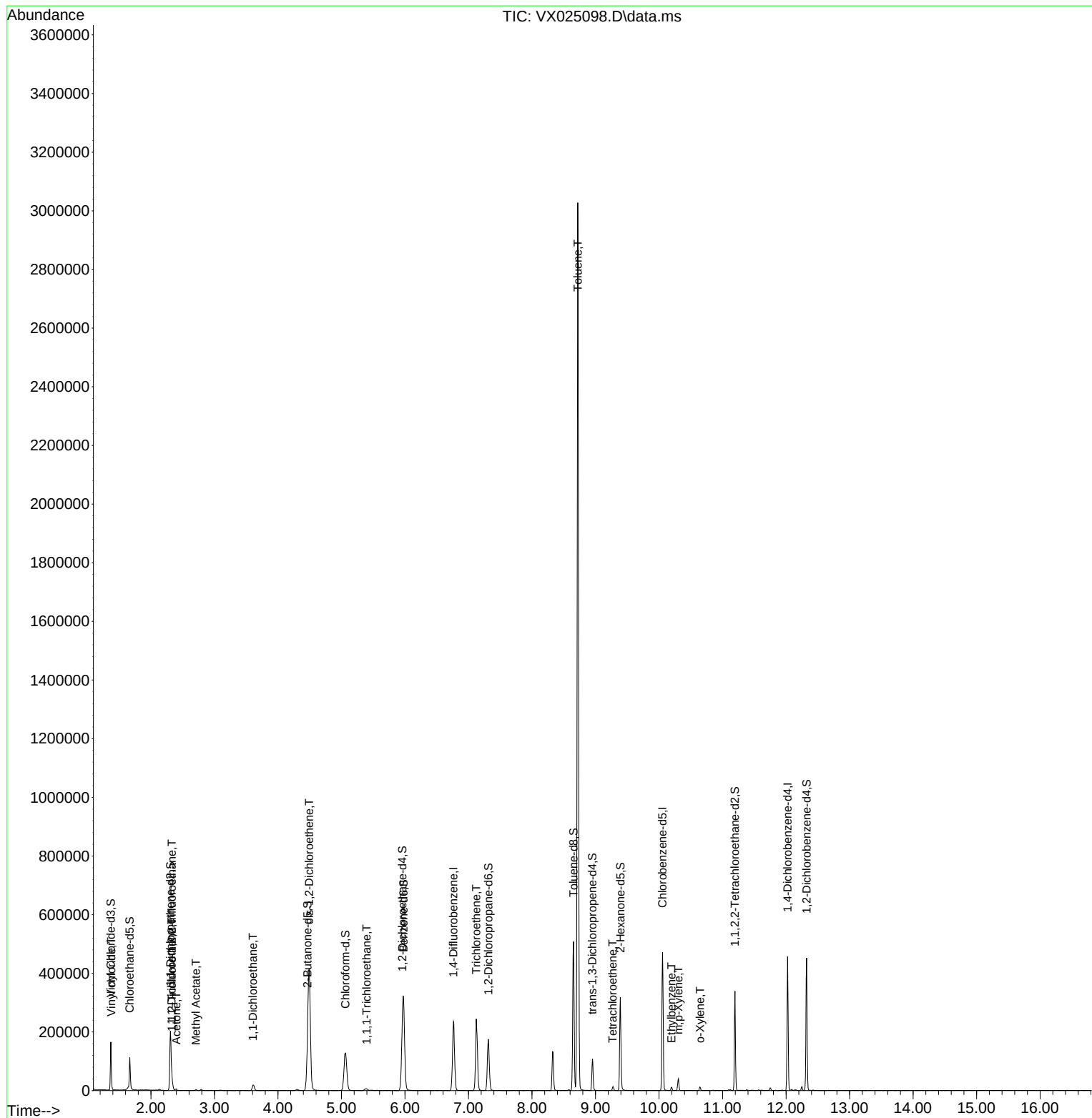
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110821\
Data File : VX025098.D
Acq On : 08 Nov 2021 16:21
Operator : JC/MD
Sample : M4464-01ME 10X
Misc : 4.68g/5.0mL/100uL/5.0mL/MSVOA_X/MEOH
ALS Vial : 13 Sample Multiplier: 1

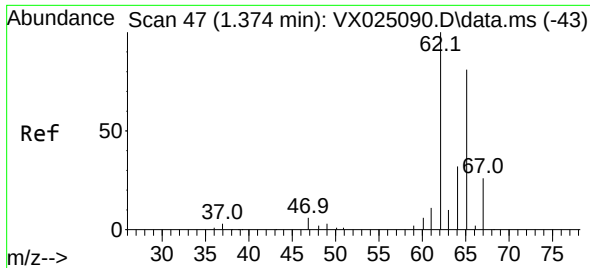
Instrument :
MSVOA_X
ClientSampleId :
GB7K1ME

Manual Integrations
APPROVED

Reviewed By : John Carlone 11/09/2021
Supervised By : Mahesh Dadoda 11/09/2021

Quant Time: Nov 09 04:15:01 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM110821WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 09 03:59:51 2021
Response via : Initial Calibration





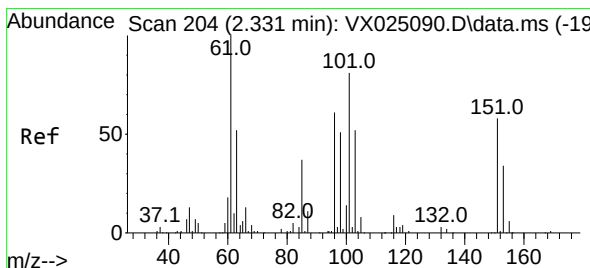
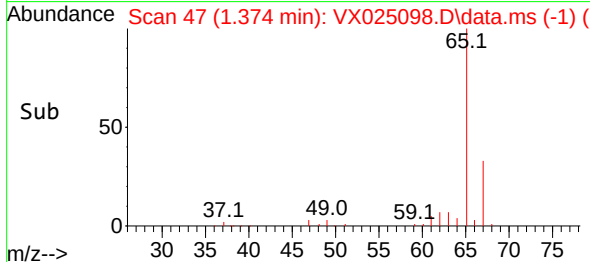
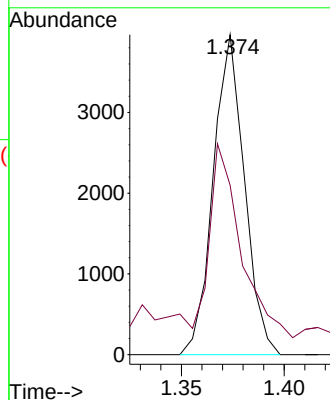
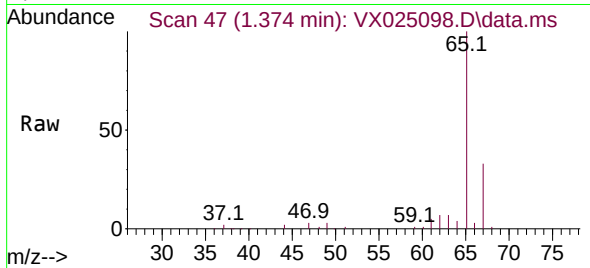
#5
 Vinyl chloride
 Concen: 2.389 ug/L
 RT: 1.374 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VX025098.D
 Acq: 08 Nov 2021 16:21

Instrument :
 MSVOA_X
 ClientSampleId :
 GB7K1ME

Tgt Ion: 62 Resp: 418
 Ion Ratio Lower Upper
 62 100
 64 53.0 23.6 43.8

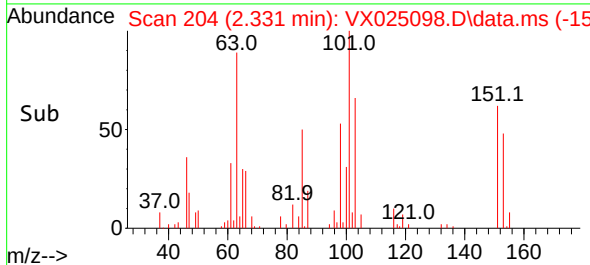
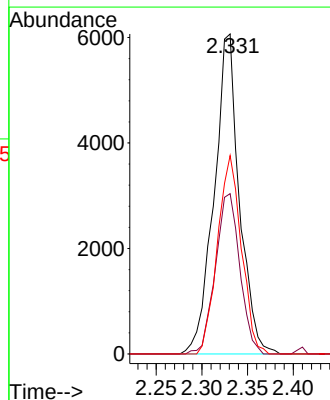
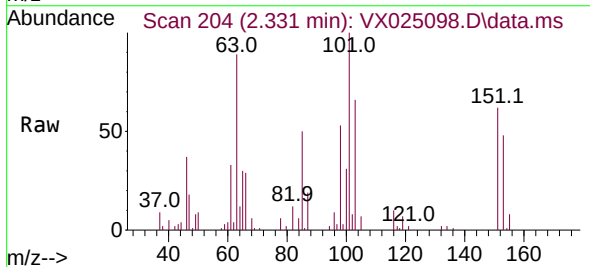
Manual Integrations
 APPROVED

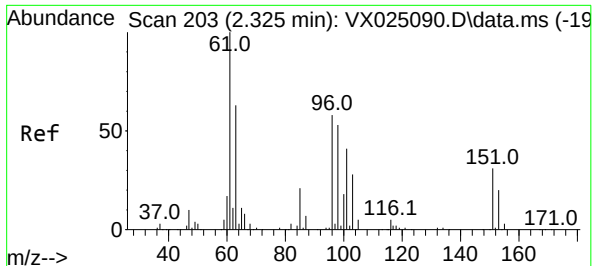
Reviewed By :John Carlone 11/09/2021
 Supervised By :Mahesh Dadoda 11/09/2021



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 7.073 ug/L
 RT: 2.331 min Scan# 204
 Delta R.T. -0.000 min
 Lab File: VX025098.D
 Acq: 08 Nov 2021 16:21

Tgt Ion:101 Resp: 11670
 Ion Ratio Lower Upper
 101 100
 85 48.4 35.3 52.9
 151 58.6 62.3 93.5





#12

1,1-Dichloroethene

Concen: 1.781 ug/L

RT: 2.325 min Scan# 203

Delta R.T. -0.000 min

Lab File: VX025098.D

Acq: 08 Nov 2021 16:21

Instrument :

MSVOA_X

ClientSampleId :

GB7K1ME

Tgt Ion: 96 Resp: 2584

Ion Ratio Lower Upper

96 100

61 241.7 109.9 204.1

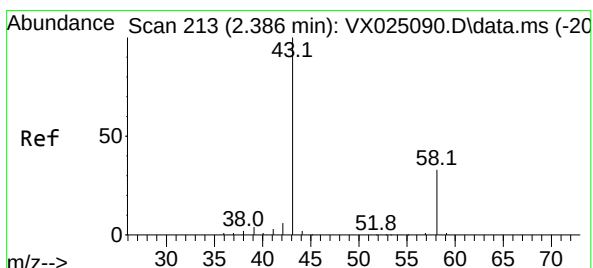
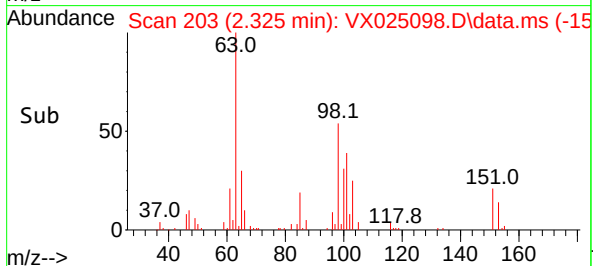
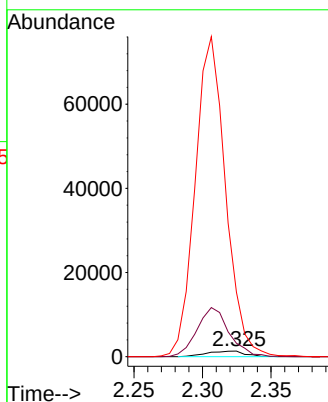
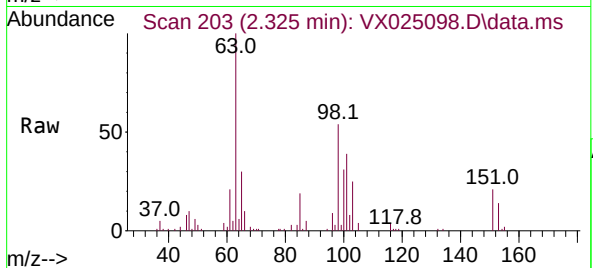
63 1153.3 92.4 171.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/09/2021

Supervised By :Mahesh Dadoda 11/09/2021



#13

Acetone

Concen: 4.655 ug/L

RT: 2.398 min Scan# 215

Delta R.T. 0.012 min

Lab File: VX025098.D

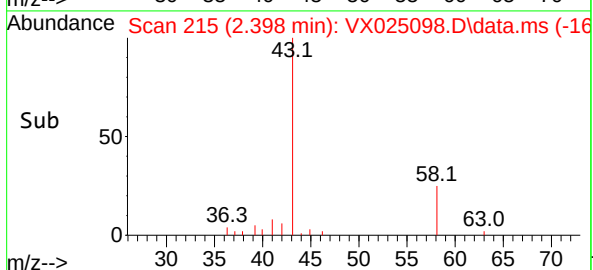
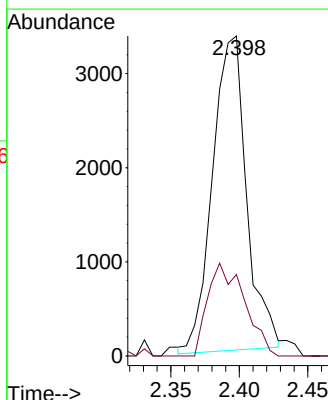
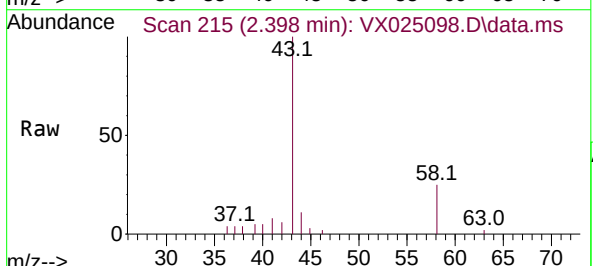
Acq: 08 Nov 2021 16:21

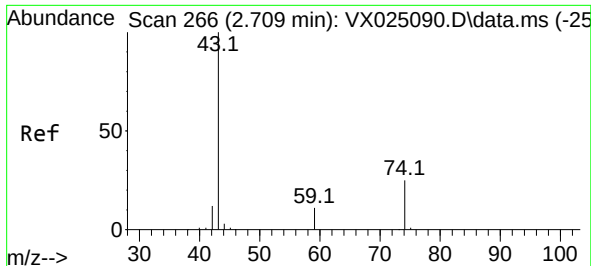
Tgt Ion: 43 Resp: 5785

Ion Ratio Lower Upper

43 100

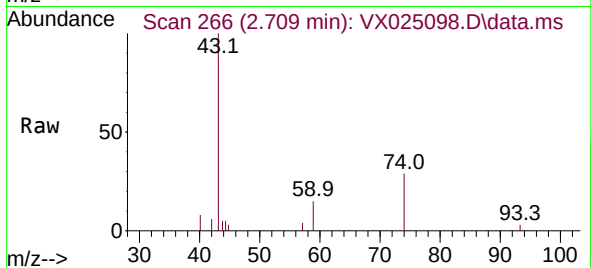
58 31.9 0.0 64.8





#15
Methyl Acetate
Concen: 2.171 ug/L
RT: 2.709 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX025098.D
Acq: 08 Nov 2021 16:21

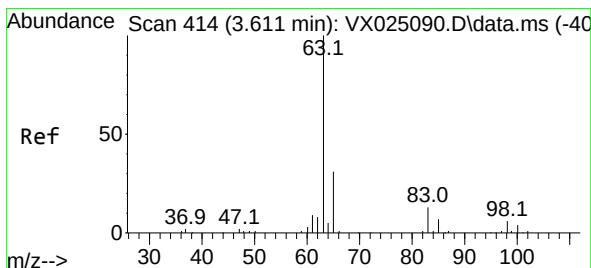
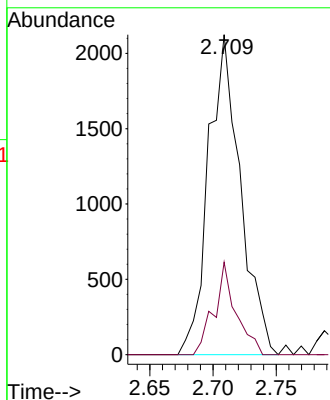
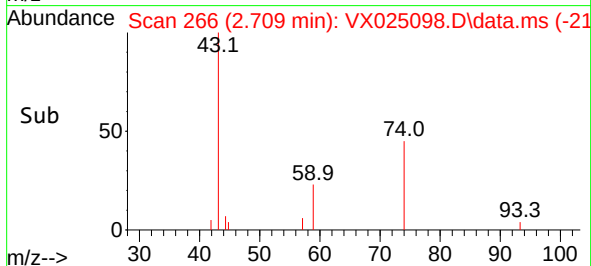
Instrument :
MSVOA_X
ClientSampleId :
GB7K1ME



Tgt Ion: 43 Resp: 373
Ion Ratio Lower Upper
43 100
74 19.8 28.6 42.8

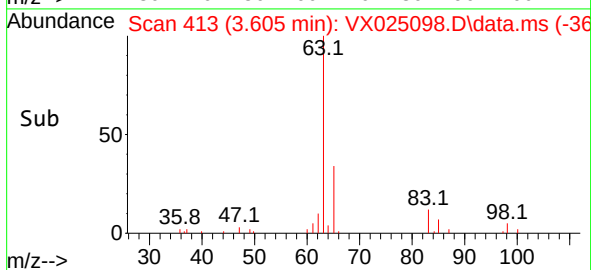
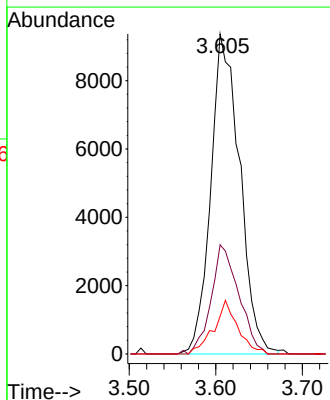
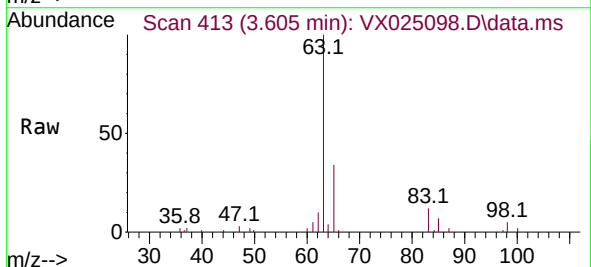
Manual Integrations
APPROVED

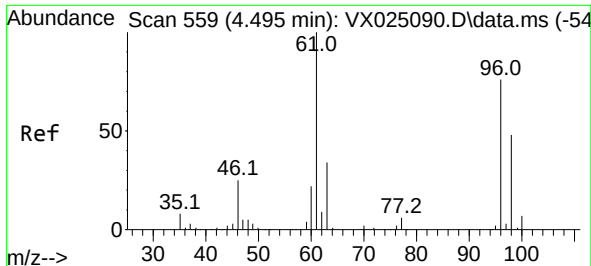
Reviewed By :John Carlone 11/09/2021
Supervised By :Mahesh Dadoda 11/09/2021



#19
1,1-Dichloroethane
Concen: 7.071 ug/L
RT: 3.605 min Scan# 413
Delta R.T. -0.006 min
Lab File: VX025098.D
Acq: 08 Nov 2021 16:21

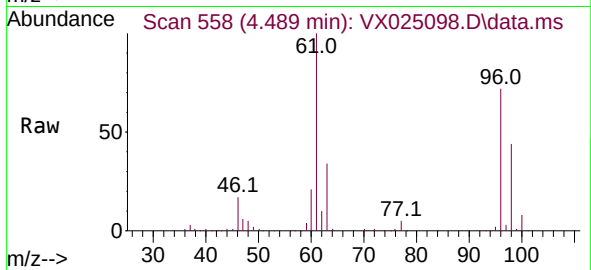
Tgt Ion: 63 Resp: 21749
Ion Ratio Lower Upper
63 100
65 34.1 24.5 45.5
83 11.8 11.7 21.7





#20
cis-1,2-Dichloroethene
Concen: 137.474 ug/L
RT: 4.489 min Scan# 51
Delta R.T. -0.006 min
Lab File: VX025098.D
Acq: 08 Nov 2021 16:21

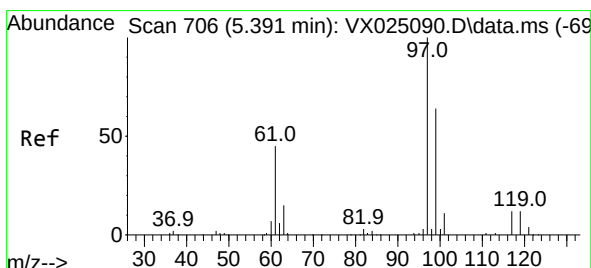
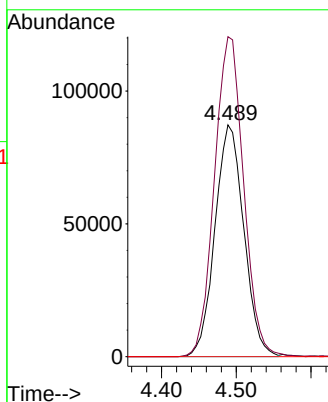
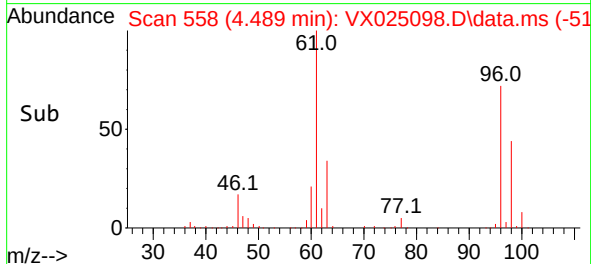
Instrument :
MSVOA_X
ClientSampleId :
GB7K1ME



Tgt Ion: 96 Resp: 234500
Ion Ratio Lower Upper
96 100
61 138.1 82.6 153.4
68 0.0 0.0 0.0

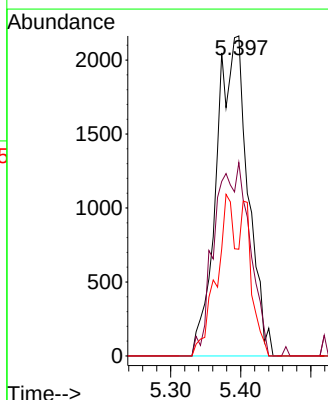
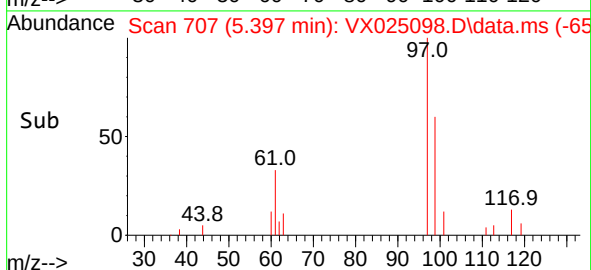
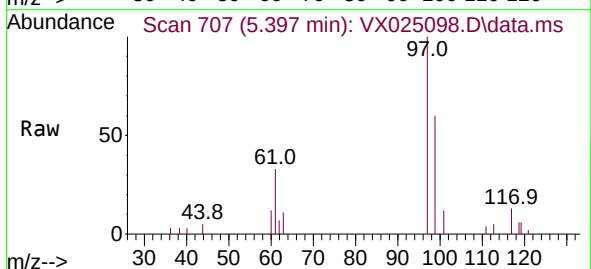
Manual Integrations
APPROVED

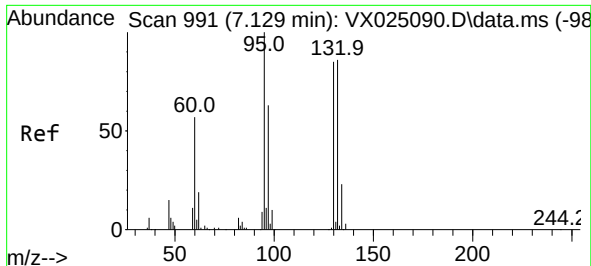
Reviewed By :John Carlone 11/09/2021
Supervised By :Mahesh Dadoda 11/09/2021



#30
1,1,1-Trichloroethane
Concen: 1.902 ug/L m
RT: 5.397 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX025098.D
Acq: 08 Nov 2021 16:21

Tgt Ion: 97 Resp: 6738
Ion Ratio Lower Upper
97 100
99 27.1 53.1 79.7#
61 16.5 26.3 39.5#





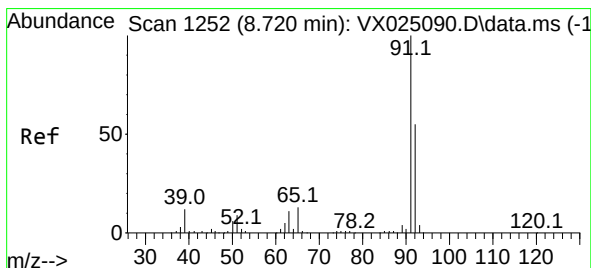
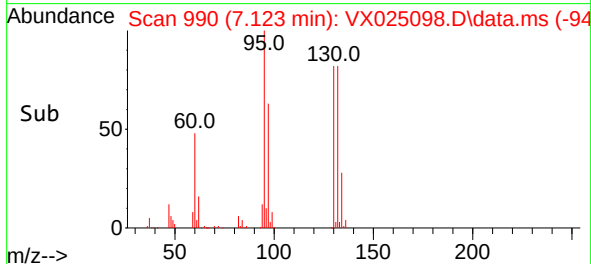
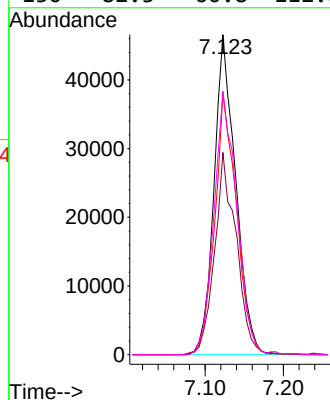
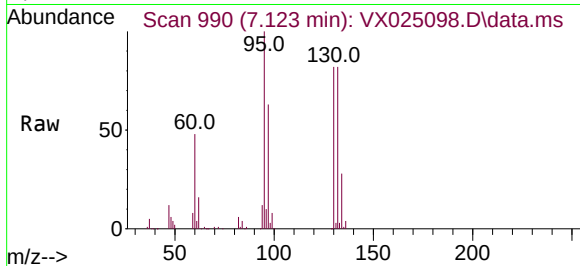
#34
Trichloroethene
Concen: 47.793 ug/L
RT: 7.123 min Scan# 991
Delta R.T. -0.006 min
Lab File: VX025098.D
Acq: 08 Nov 2021 16:21

Instrument :
MSVOA_X
ClientSampleId :
GB7K1ME

Tgt Ion: 95 Resp: 89558
Ion Ratio Lower Upper
95 100
97 63.2 44.2 82.2
132 81.8 60.1 111.5
130 82.3 60.8 112.8

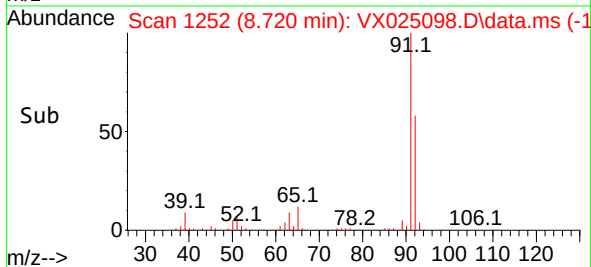
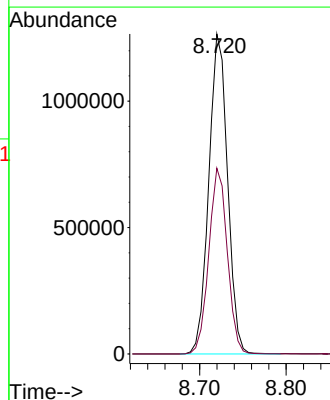
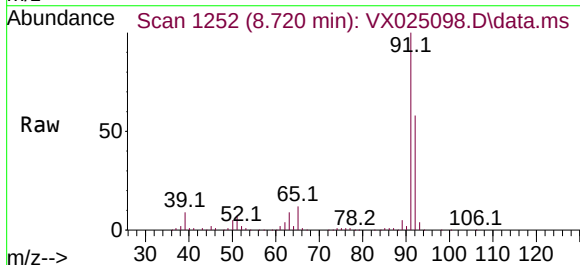
Manual Integrations
APPROVED

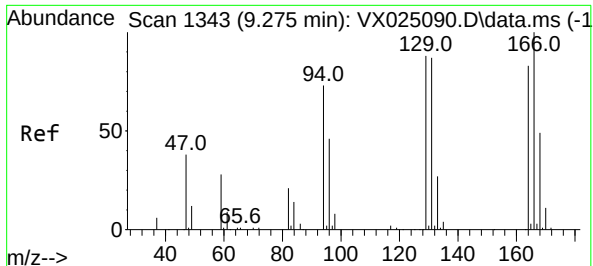
Reviewed By :John Carlone 11/09/2021
Supervised By :Mahesh Dadoda 11/09/2021



#42
Toluene
Concen: 271.588 ug/L
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX025098.D
Acq: 08 Nov 2021 16:21

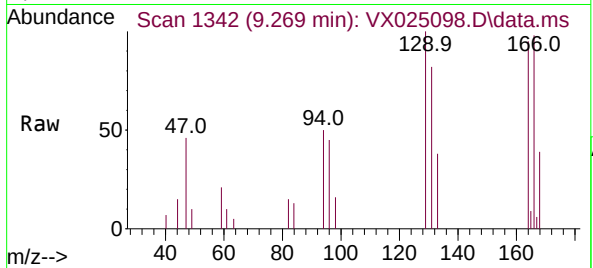
Tgt Ion: 91 Resp: 1902027
Ion Ratio Lower Upper
91 100
92 58.1 39.3 72.9





#46
Tetrachloroethene
Concen: 2.206 ug/L
RT: 9.269 min Scan# 1342
Delta R.T. -0.006 min
Lab File: VX025098.D
Acq: 08 Nov 2021 16:21

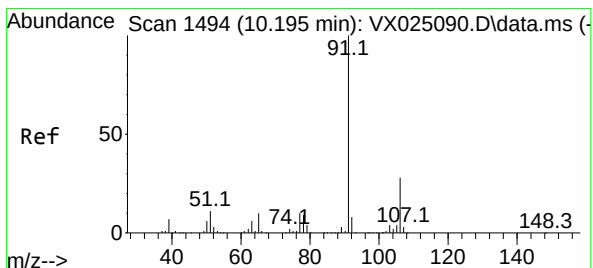
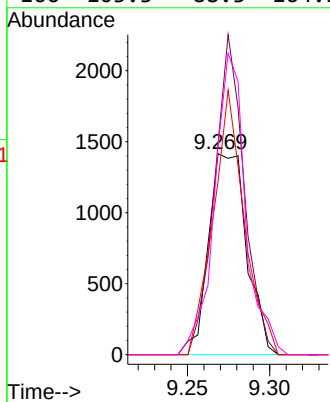
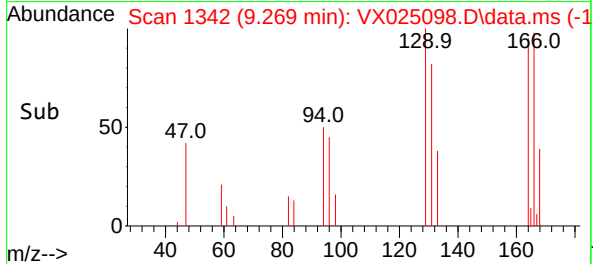
Instrument :
MSVOA_X
ClientSampleId :
GB7K1ME



Tgt Ion:164 Resp: 2289
Ion Ratio Lower Upper
164 100
129 104.9 78.5 145.7
131 86.1 70.5 130.9
166 103.3 88.3 164.1

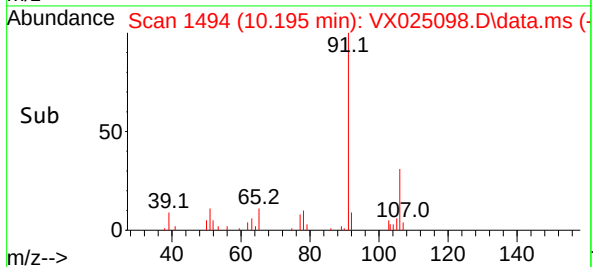
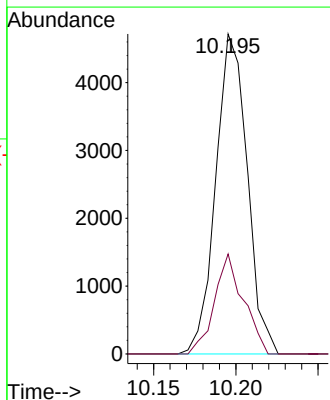
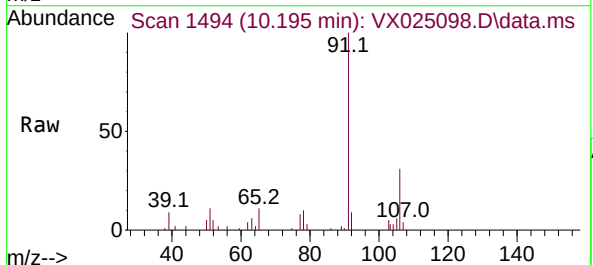
Manual Integrations
APPROVED

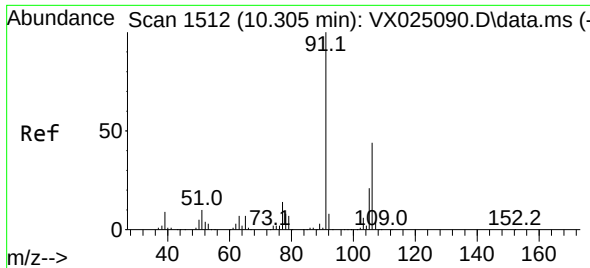
Reviewed By :John Carlone 11/09/2021
Supervised By :Mahesh Dadoda 11/09/2021



#52
Ethylbenzene
Concen: 0.834 ug/L
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX025098.D
Acq: 08 Nov 2021 16:21

Tgt Ion: 91 Resp: 6281
Ion Ratio Lower Upper
91 100
106 31.3 20.2 37.6





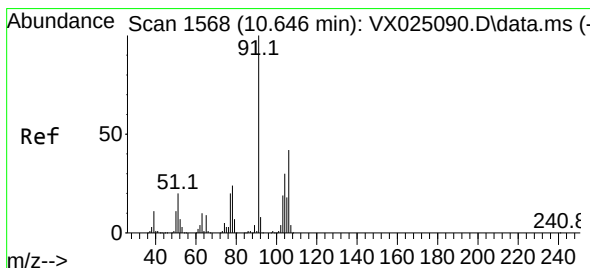
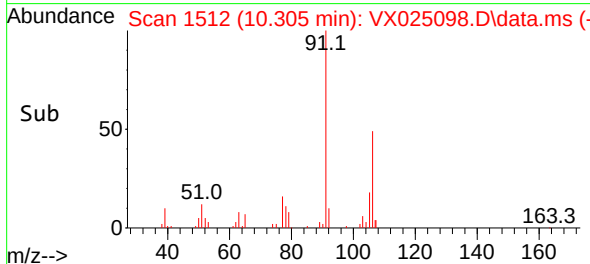
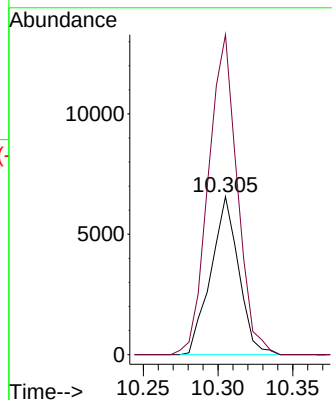
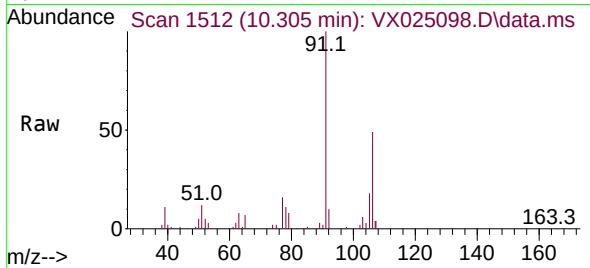
#53
m,p-Xylene
Concen: 3.113 ug/L
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX025098.D
Acq: 08 Nov 2021 16:21

Instrument :
MSVOA_X
ClientSampleId :
GB7K1ME

Tgt Ion:106 Resp: 8520
Ion Ratio Lower Upper
106 100
91 202.4 160.2 297.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/09/2021
Supervised By :Mahesh Dadoda 11/09/2021



#54
o-Xylene
Concen: 1.002 ug/L
RT: 10.646 min Scan# 1568
Delta R.T. -0.000 min
Lab File: VX025098.D
Acq: 08 Nov 2021 16:21

Tgt Ion:106 Resp: 2597
Ion Ratio Lower Upper
106 100
91 218.9 164.4 305.4

