

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW011924\
 Data File : VW033745.D
 Acq On : 19 Jan 2024 11:27
 Operator : SY/MD
 Sample : P1160-10
 Misc : 10.00g/10mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 XA319

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/24/2024
 Supervised By :Semsettin Yesilyurt 01/24/2024

Quant Time: Jan 19 22:21:32 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM011024WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jan 19 22:20:26 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	286237	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	260383	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	130668	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	83910	38.143	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	76.280%		
7) Chloroethane-d5	1.532	69	59666	34.249	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	68.500%#		
11) 1,1-Dichloroethene-d2	2.043	65	41521	43.856	ug/L	-0.02
Spiked Amount 50.000	Range 60 - 125		Recovery =	87.720%		
21) 2-Butanone-d5	3.812	46	80067	53.063	ug/L	0.03
Spiked Amount 100.000	Range 40 - 130		Recovery =	53.060%		
24) Chloroform-d	4.249	84	175927	44.724	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	89.440%		
26) 1,2-Dichloroethane-d4	4.940	65	112037	44.081	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.160%		
32) Benzene-d6	4.957	84	329040	44.450	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.900%		
36) 1,2-Dichloropropane-d6	5.989	67	102053	41.882	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	83.760%		
41) Toluene-d8	7.243	98	301221	45.162	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	90.320%		
43) trans-1,3-Dichloroprop...	7.555	79	54522	45.274	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	90.540%		
47) 2-Hexanone-d5	8.063	63	70626m	69.877	ug/L	0.04
Spiked Amount 100.000	Range 45 - 130		Recovery =	69.880%		
56) 1,1,2,2-Tetrachloroeth...	10.162	84	120104	38.610	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	77.220%		
66) 1,2-Dichlorobenzene-d4	11.564	152	107592	43.399	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	86.800%		
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.056	96	284941m	165.871	ug/L	
13) Acetone	2.134	43	283948	196.819	ug/L	100
15) Methyl Acetate	2.381	43	24583	10.420	ug/L #	100
16) Methylene chloride	2.442	84	60468	28.854	ug/L	94
17) trans-1,2-Dichloroethene	2.687	96	144721	75.418	ug/L	95
25) Chloroform	4.275	83	286676	77.072	ug/L	99
27) 1,2-Dichloroethane	5.040	62	165830	53.377	ug/L	99
33) Benzene	5.005	78	724745	94.765	ug/L	100
34) Trichloroethene	5.828	95	388096	189.175	ug/L	99
39) cis-1,3-Dichloropropene	6.953	75	231872	65.978	ug/L	99
40) 4-Methyl-2-pentanone	7.162	43	230153	73.806	ug/L	99
42) Toluene	7.313	91	874863	108.215	ug/L	99
44) trans-1,3-Dichloropropene	7.580	75	417298	128.853	ug/L	100
45) 1,1,2-Trichloroethane	7.770	97	189577	99.280	ug/L	98
46) Tetrachloroethene	7.908	164	5228	3.474	ug/L	94
49) Dibromochloromethane	8.178	129	389534	195.868	ug/L	99
50) 1,2-Dibromoethane	8.281	107	190039	94.175	ug/L #	100
53) m,p-Xylene	9.072	106	436751	126.341	ug/L	100
54) o-Xylene	9.480	106	238418	69.665	ug/L	99

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 Quant Title : VOC Analysis
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
55) Styrene	9.500	104	1045148	176.883	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.185	83	471663	155.209	ug/L	99
59) Bromoform	9.673	173	60232	43.371	ug/L	97
61) 1,2,3-Trichloropropane	10.217	75	323804	139.630	ug/L	97
64) 1,3-Dichlorobenzene	11.120	146	515862	129.179	ug/L	99
65) 1,4-Dichlorobenzene	11.214	146	213834	53.403	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.368	75	59045	88.233	ug/L	97
70) 1,2,4-trichlorobenzene	13.197	180	321178	119.914	ug/L	99

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

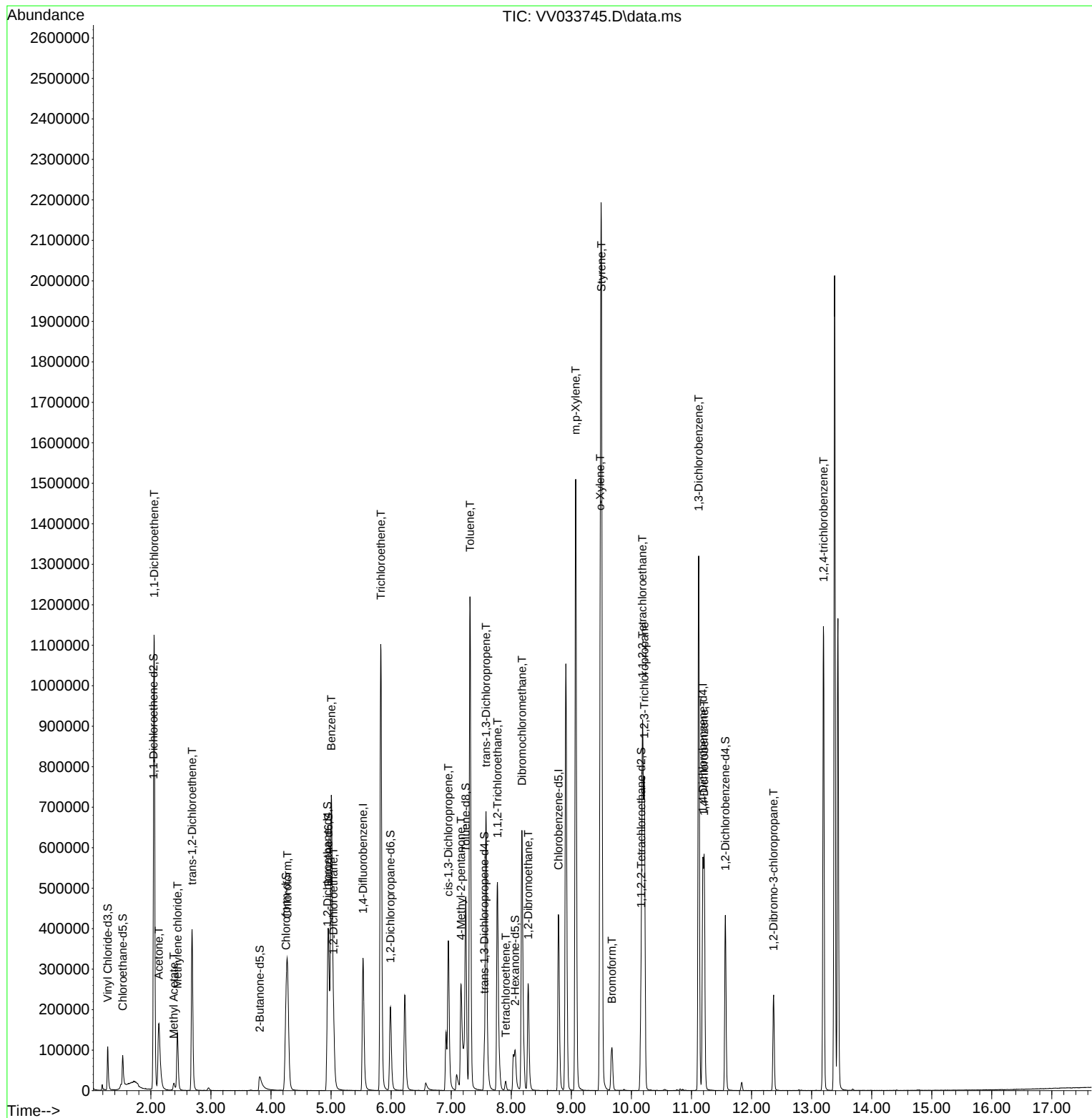
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Data File : VV033745.D
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Operator : SY/MD
Sample : P1160-10
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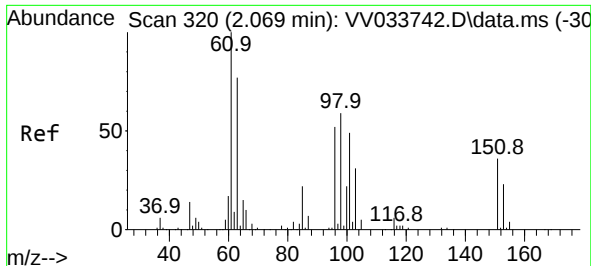
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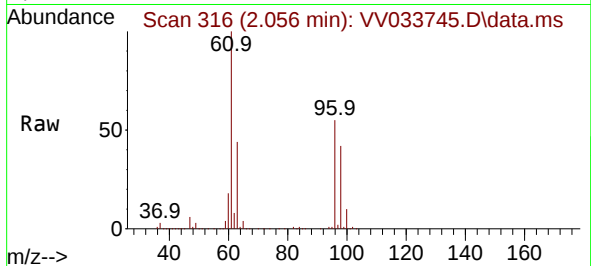
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Quant Title : VOC Analysis
QLast Update : Fri Jan 19 22:20:26 2024
Response via : Initial Calibration





#12
1,1-Dichloroethene
Concen: 165.871 ug/L m
RT: 2.056 min Scan# 31
Delta R.T. -0.013 min
Lab File: VV033745.D
Acq: 19 Jan 2024 11:27

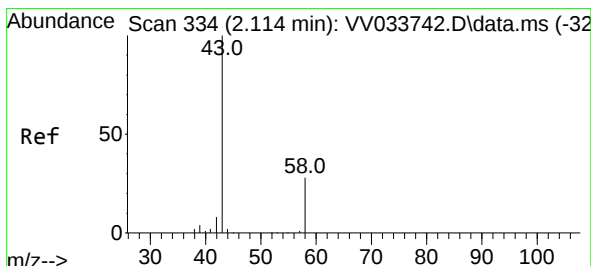
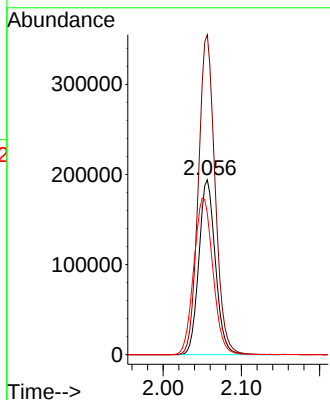
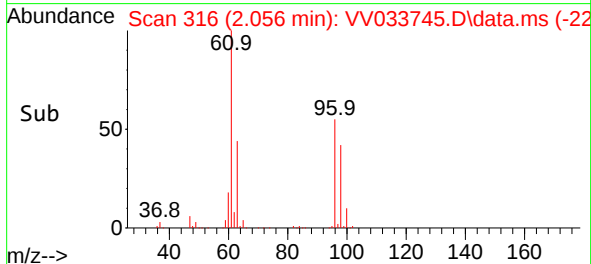
Instrument :
MSVOA_V
ClientSampleId :
XA319



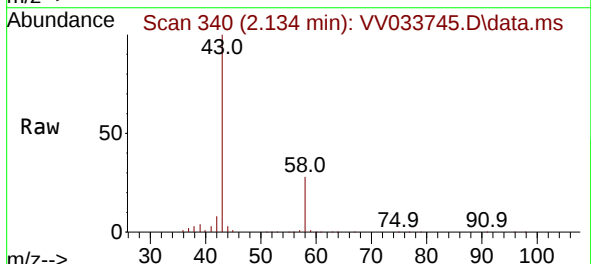
Tgt Ion: 96 Resp: 28494
Ion Ratio Lower Upper
96 100
61 183.0 134.0 248.8
63 80.8 103.4 192.0

Manual Integrations
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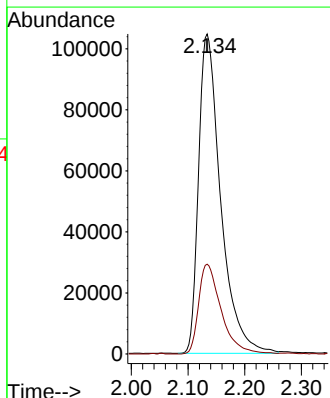
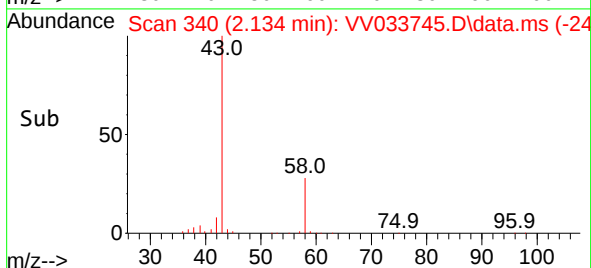
Reviewed By :Mahesh Dadoda 01/24/2024
Supervised By :Semsettin Yesilyurt 01/24/2024

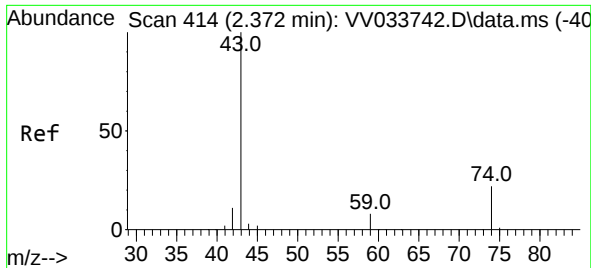


#13
Acetone
Concen: 196.819 ug/L
RT: 2.134 min Scan# 340
Delta R.T. 0.019 min
Lab File: VV033745.D
Acq: 19 Jan 2024 11:27



Tgt Ion: 43 Resp: 283948
Ion Ratio Lower Upper
43 100
58 28.5 0.0 57.2





#15

Methyl Acetate

Concen: 10.420 ug/L

RT: 2.381 min Scan# 417

Delta R.T. 0.010 min

Lab File: VV033745.D

Acq: 19 Jan 2024 11:27

Instrument :

MSVOA_V

ClientSampleId :

XA319

Tgt Ion: 43 Resp: 2458

Ion Ratio Lower Upper

43 100

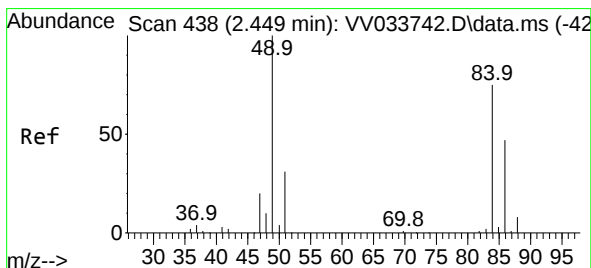
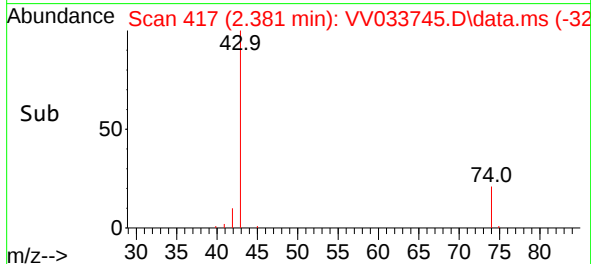
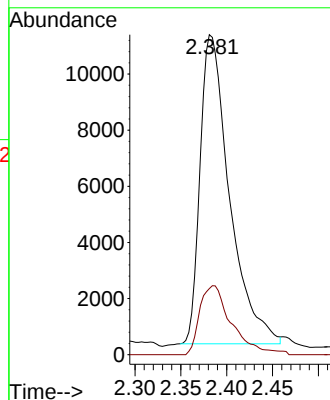
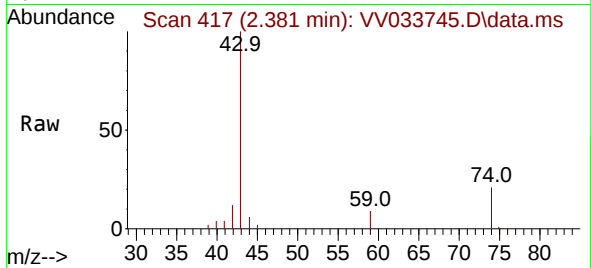
74 24.0 0.0 0.0

Manual Integrations

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Reviewed By :Mahesh Dadoda 01/24/2024

Supervised By :Semsettin Yesilyurt 01/24/2024



#16

Methylene chloride

Concen: 28.854 ug/L

RT: 2.442 min Scan# 436

Delta R.T. -0.007 min

Lab File: VV033745.D

Acq: 19 Jan 2024 11:27

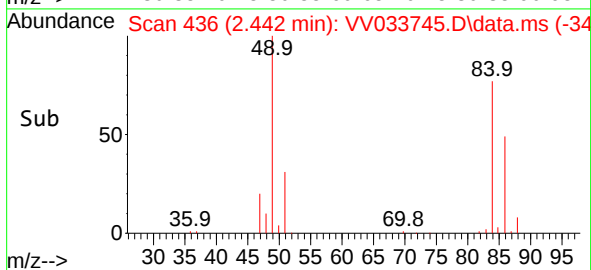
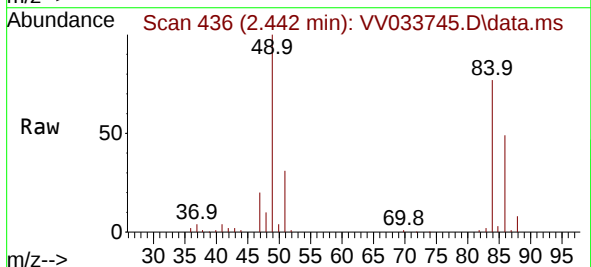
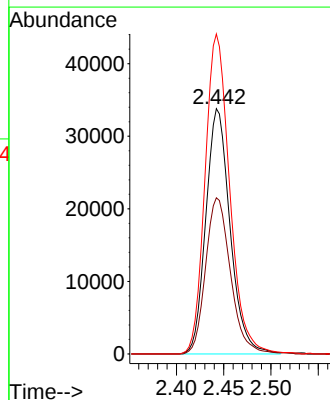
Tgt Ion: 84 Resp: 60468

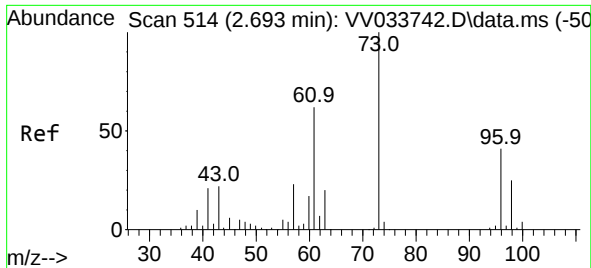
Ion Ratio Lower Upper

84 100

86 63.7 43.9 81.5

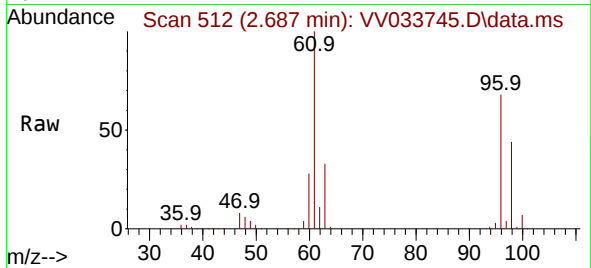
49 130.5 98.3 182.5





#17
trans-1,2-Dichloroethene
Concen: 75.418 ug/L
RT: 2.687 min Scan# 514
Delta R.T. -0.007 min
Lab File: VV033745.D
Acq: 19 Jan 2024 11:27

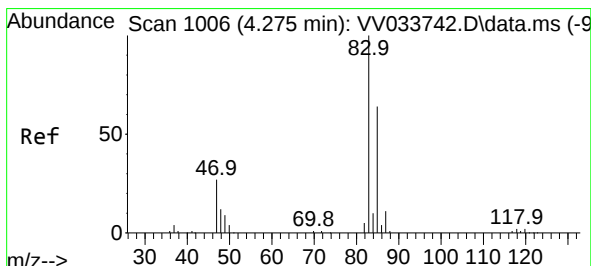
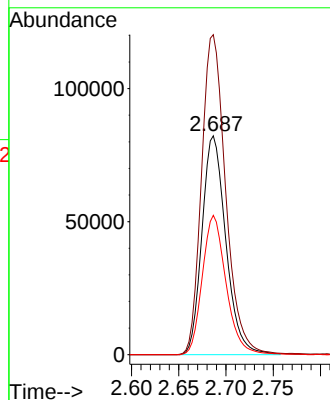
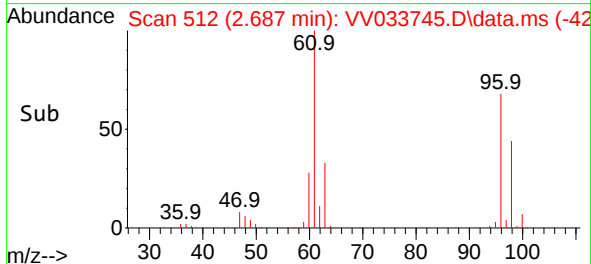
Instrument :
MSVOA_V
ClientSampleId :
XA319



Tgt Ion: 96 Resp: 14472
Ion Ratio Lower Upper
96 100
61 146.2 108.4 201.4
98 63.6 43.8 81.4

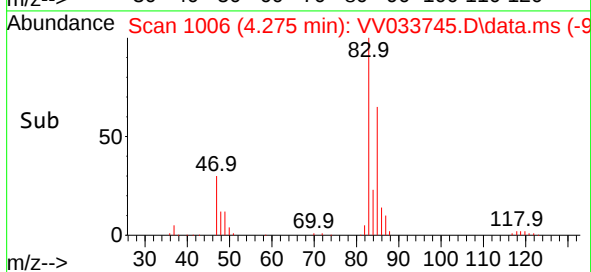
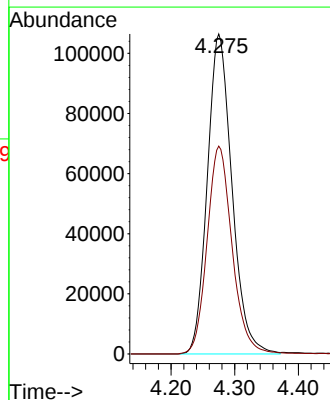
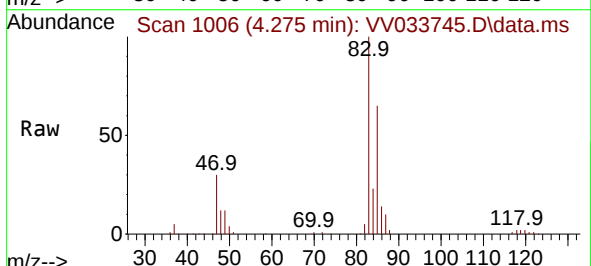
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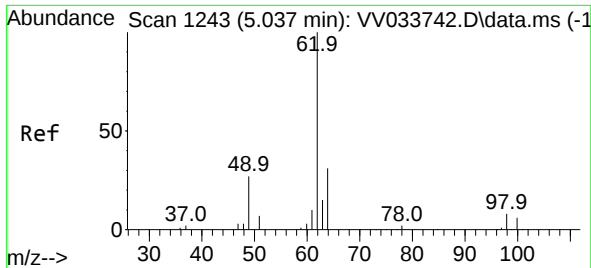
Reviewed By :Mahesh Dadoda 01/24/2024
Supervised By :Semsettin Yesilyurt 01/24/2024



#25
Chloroform
Concen: 77.072 ug/L
RT: 4.275 min Scan# 1006
Delta R.T. -0.000 min
Lab File: VV033745.D
Acq: 19 Jan 2024 11:27

Tgt Ion: 83 Resp: 286676
Ion Ratio Lower Upper
83 100
85 65.0 45.1 83.9





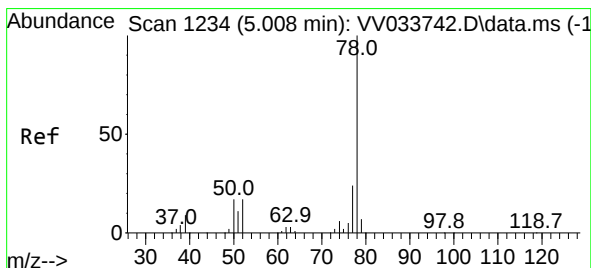
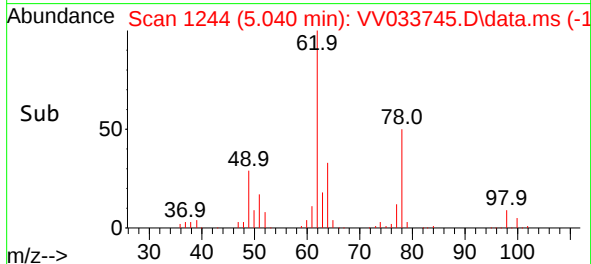
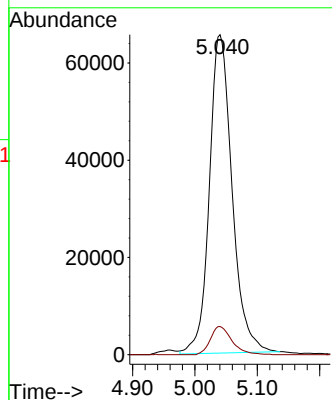
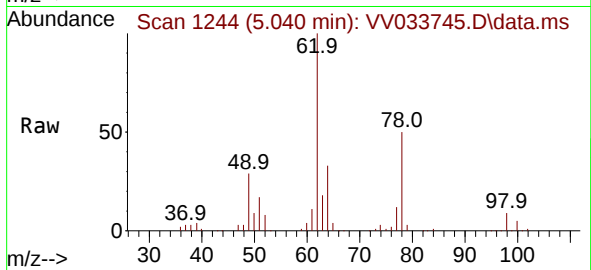
#27
1,2-Dichloroethane
Concen: 53.377 ug/L
RT: 5.040 min Scan# 1243
Delta R.T. 0.003 min
Lab File: VV033745.D
Acq: 19 Jan 2024 11:27

Instrument :
MSVOA_V
ClientSampleId :
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Tgt Ion: 62 Resp: 165830
Ion Ratio Lower Upper
62 100
98 8.8 6.8 10.2

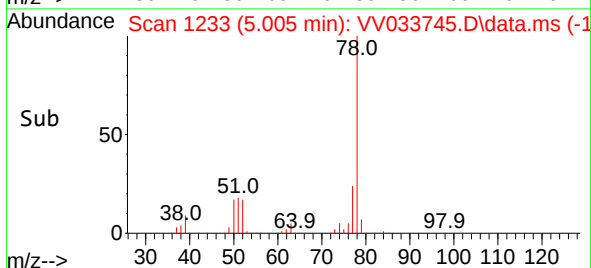
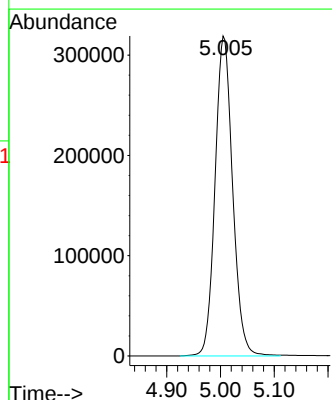
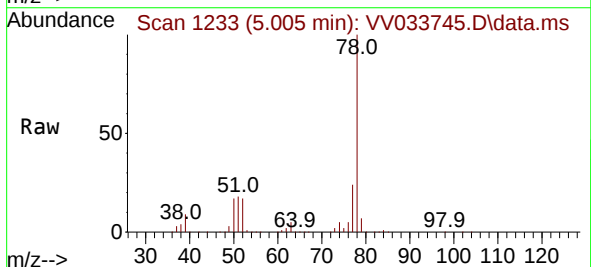
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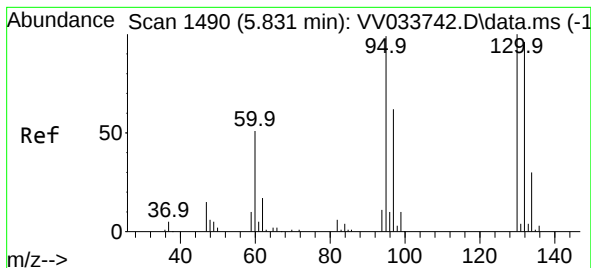
Reviewed By :Mahesh Dadoda 01/24/2024
Supervised By :Semsettin Yesilyurt 01/24/2024



#33
Benzene
Concen: 94.765 ug/L
RT: 5.005 min Scan# 1233
Delta R.T. -0.003 min
Lab File: VV033745.D
Acq: 19 Jan 2024 11:27

Tgt Ion: 78 Resp: 724745





#34

Trichloroethene

Concen: 189.175 ug/L

RT: 5.828 min Scan# 1489

Delta R.T. -0.003 min

Lab File: VV033745.D

Acq: 19 Jan 2024 11:27

Instrument :

MSVOA_V

ClientSampleId :

XA319

Tgt Ion: 95 Resp: 388090

Ion Ratio Lower Upper

95 100

97 63.6 44.4 82.4

132 94.8 65.5 121.7

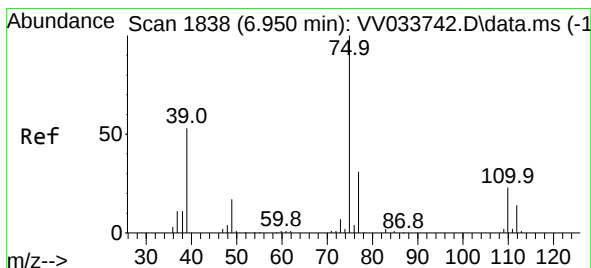
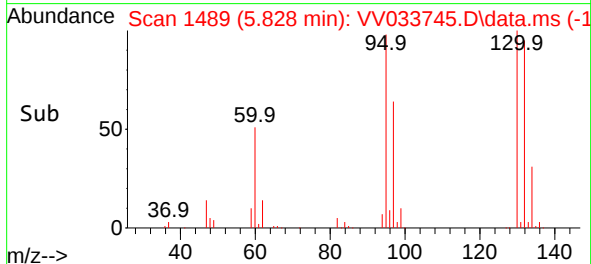
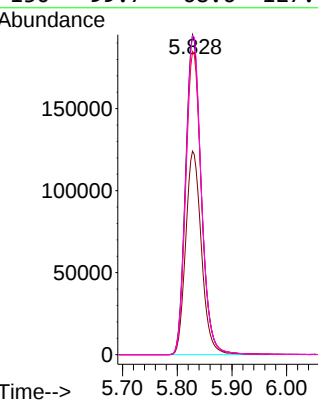
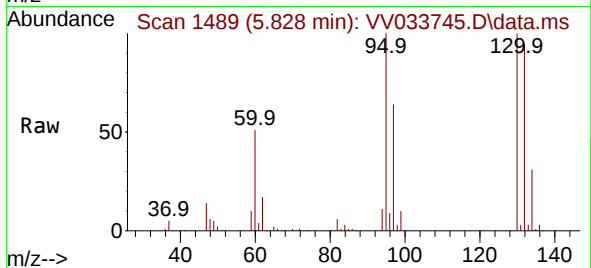
130 99.7 68.6 127.4

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#39

cis-1,3-Dichloropropene

Concen: 65.978 ug/L

RT: 6.953 min Scan# 1839

Delta R.T. 0.003 min

Lab File: VV033745.D

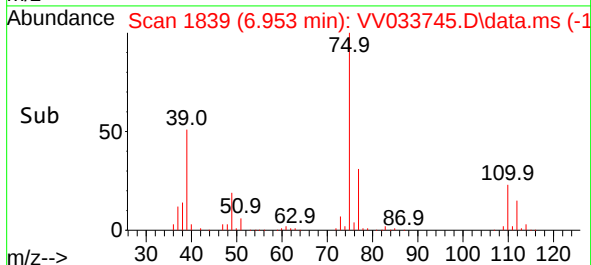
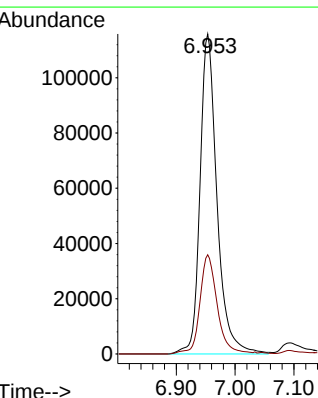
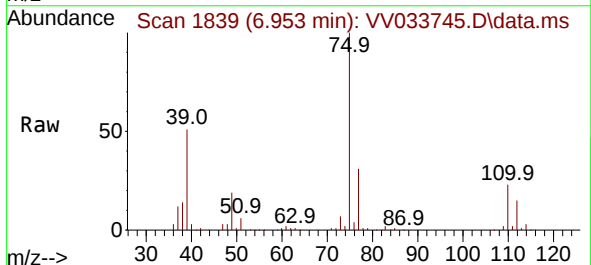
Acq: 19 Jan 2024 11:27

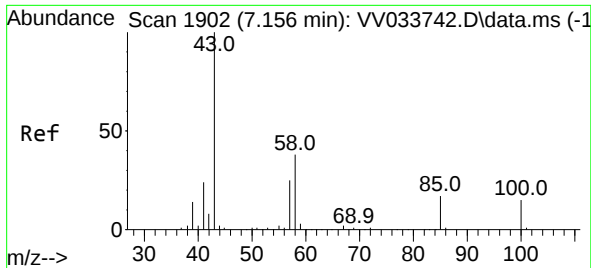
Tgt Ion: 75 Resp: 231872

Ion Ratio Lower Upper

75 100

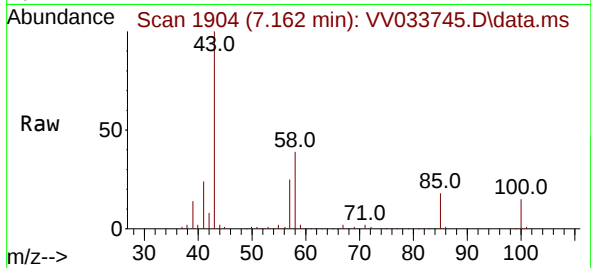
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#40
4-Methyl-2-pentanone
Concen: 73.806 ug/L
RT: 7.162 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VV033745.D
Acq: 19 Jan 2024 11:27

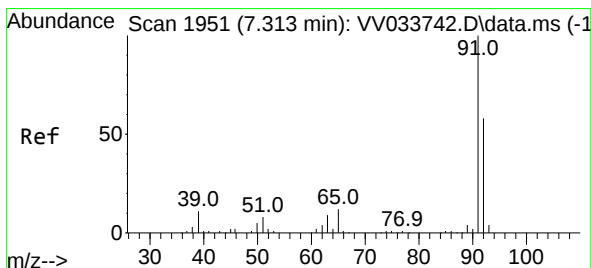
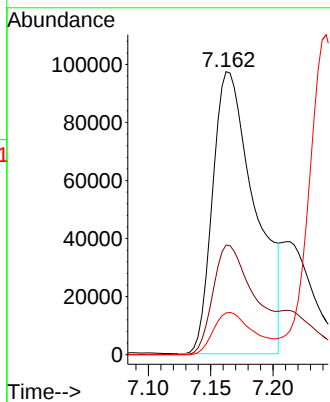
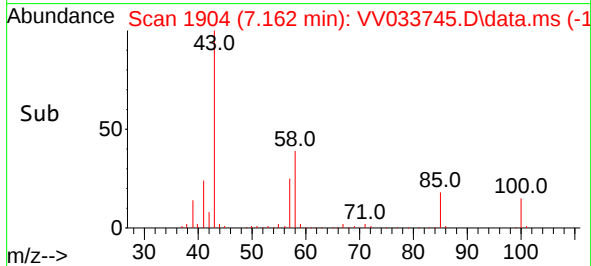
Instrument :
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Tgt Ion: 43 Resp: 23015
Ion Ratio Lower Upper
43 100
58 37.6 29.6 44.4
100 14.4 10.6 16.0

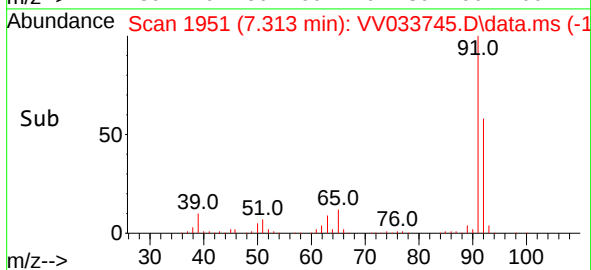
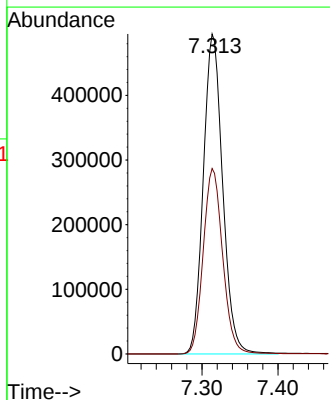
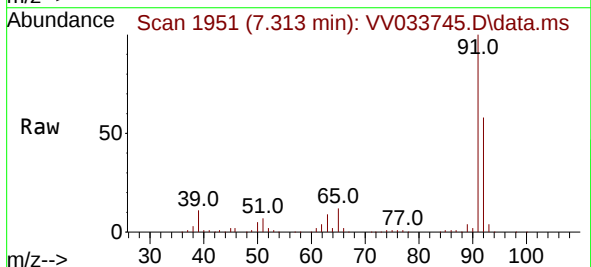
Manual Integrations
APPROVED

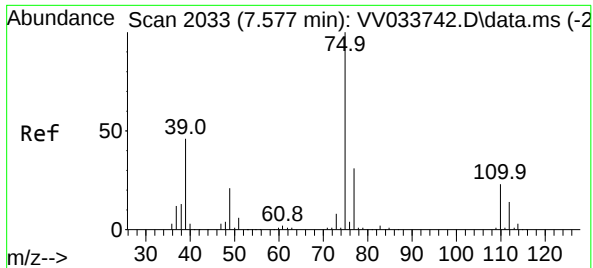
Reviewed By :Mahesh Dadoda 01/24/2024
Supervised By :Semsettin Yesilyurt 01/24/2024



#42
Toluene
Concen: 108.215 ug/L
RT: 7.313 min Scan# 1951
Delta R.T. -0.000 min
Lab File: VV033745.D
Acq: 19 Jan 2024 11:27

Tgt Ion: 91 Resp: 874863
Ion Ratio Lower Upper
91 100
92 58.0 41.2 76.6





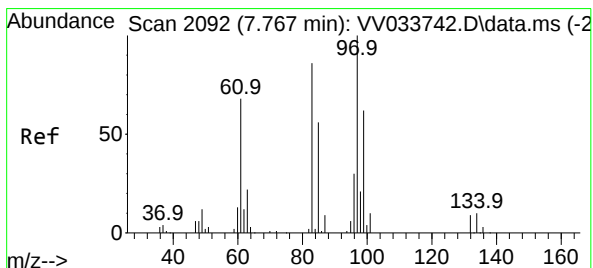
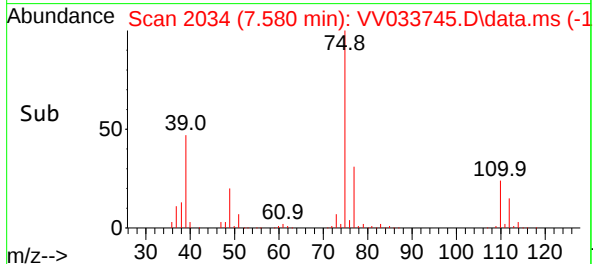
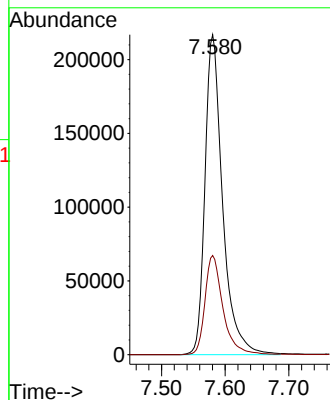
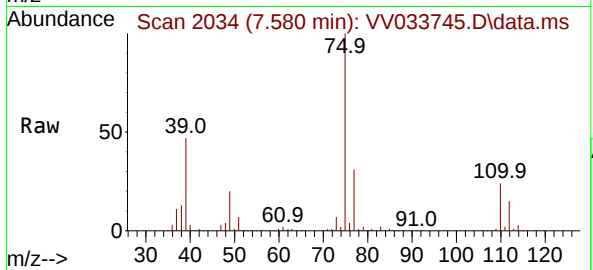
#44
trans-1,3-Dichloropropene
Concen: 128.853 ug/L
RT: 7.580 min Scan# 2033
Delta R.T. 0.003 min
Lab File: VV033745.D
Acq: 19 Jan 2024 11:27

Instrument :
MSVOA_V
ClientSampleId :
XA319

Tgt Ion: 75 Resp: 417298
Ion Ratio Lower Upper
75 100
77 31.0 21.6 40.0

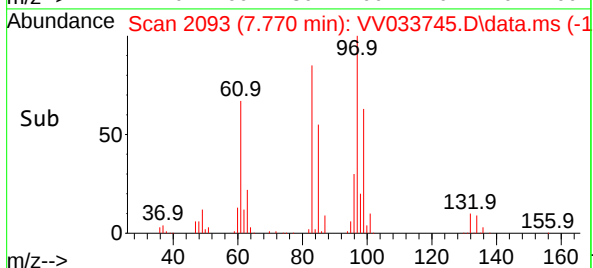
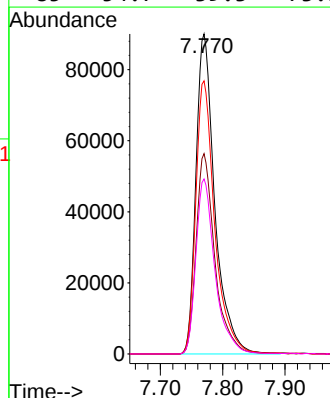
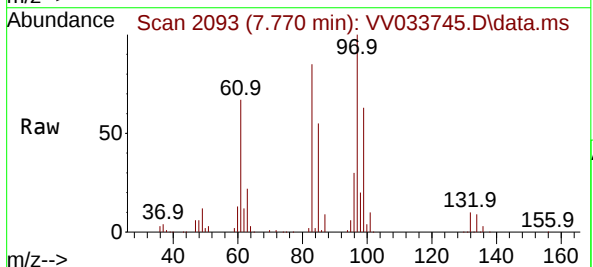
Manual Integrations
APPROVED

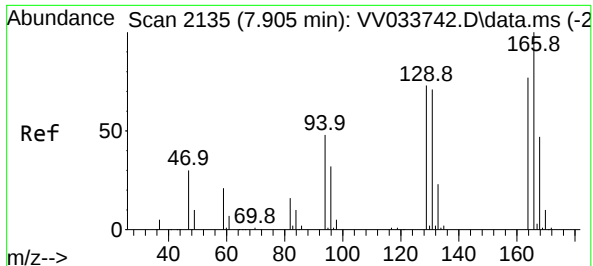
Reviewed By :Mahesh Dadoda 01/24/2024
Supervised By :Semsettin Yesilyurt 01/24/2024



#45
1,1,2-Trichloroethane
Concen: 99.280 ug/L
RT: 7.770 min Scan# 2093
Delta R.T. 0.003 min
Lab File: VV033745.D
Acq: 19 Jan 2024 11:27

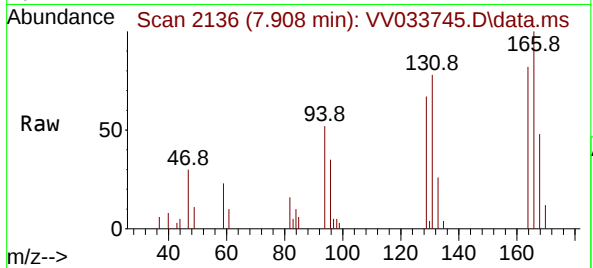
Tgt Ion: 97 Resp: 189577
Ion Ratio Lower Upper
97 100
99 62.6 42.8 79.6
83 85.4 61.2 113.8
85 54.7 39.3 73.1





#46
Tetrachloroethene
Concen: 3.474 ug/L
RT: 7.908 min Scan# 2135
Delta R.T. 0.003 min
Lab File: VV033745.D
Acq: 19 Jan 2024 11:27

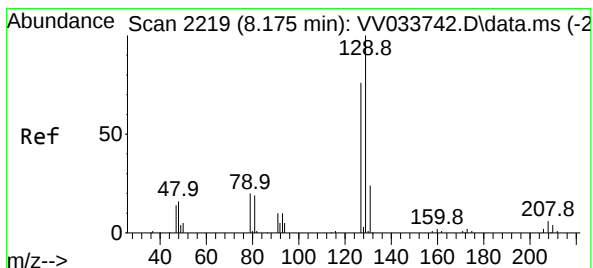
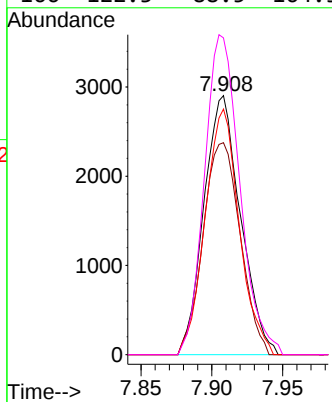
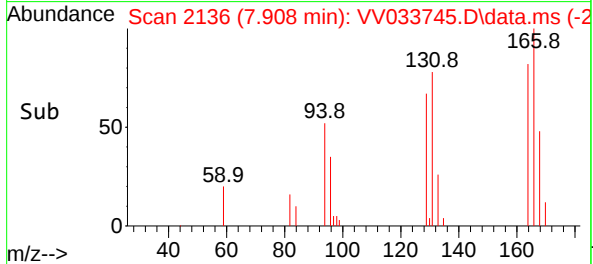
Instrument :
MSVOA_V
ClientSampleId :
XA319



Tgt Ion:164 Resp: 5228
Ion Ratio Lower Upper
164 100
129 81.8 66.1 122.7
131 94.8 65.9 122.5
166 122.3 88.5 164.3

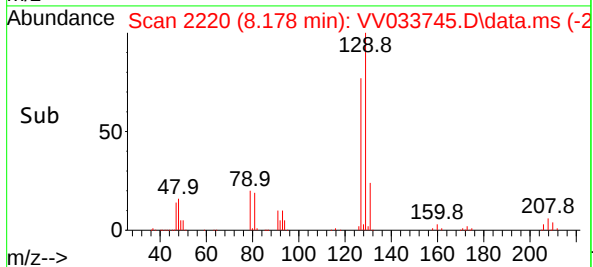
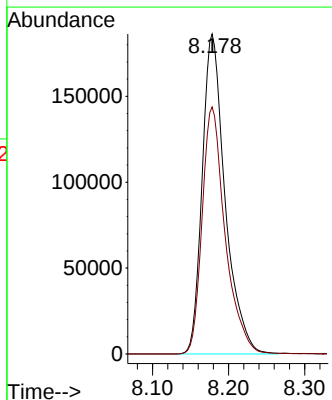
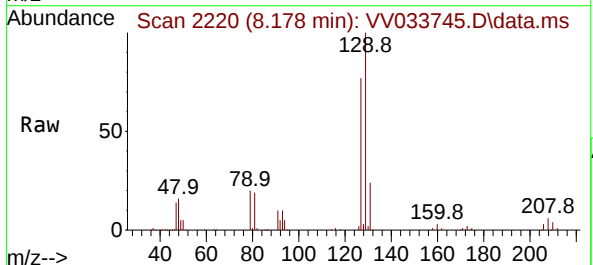
Manual Integrations
APPROVED

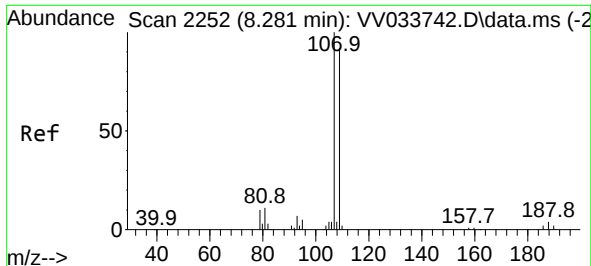
Reviewed By :Mahesh Dadoda 01/24/2024
Supervised By :Semsettin Yesilyurt 01/24/2024



#49
Dibromochloromethane
Concen: 195.868 ug/L
RT: 8.178 min Scan# 2220
Delta R.T. 0.003 min
Lab File: VV033745.D
Acq: 19 Jan 2024 11:27

Tgt Ion:129 Resp: 389534
Ion Ratio Lower Upper
129 100
127 77.2 54.5 101.3





#50

1,2-Dibromoethane

Concen: 94.175 ug/L

RT: 8.281 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV033745.D

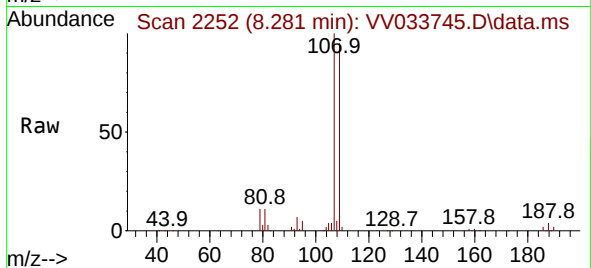
Acq: 19 Jan 2024 11:27

Instrument :

MSVOA_V

ClientSampleId :

XA319

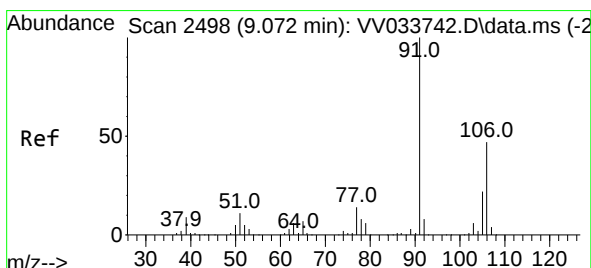
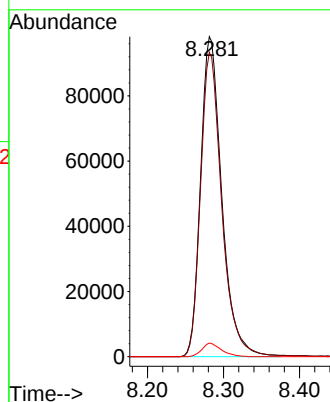
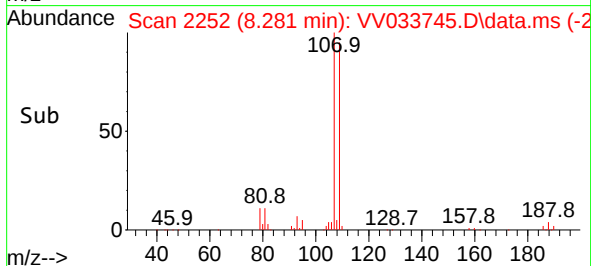


Tgt Ion:	107	Resp:	190039
Ion Ratio	Lower	Upper	
107	100		
109	95.1	66.4	123.4
188	4.2	2.7	4.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/24/2024
Supervised By :Semsettin Yesilyurt 01/24/2024



#53

m,p-Xylene

Concen: 126.341 ug/L

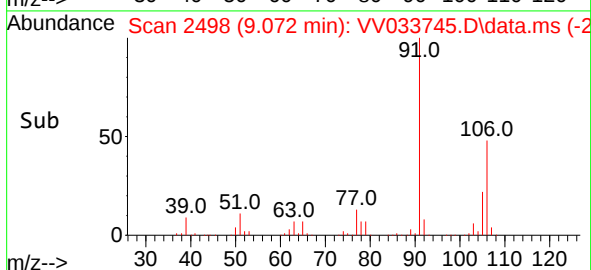
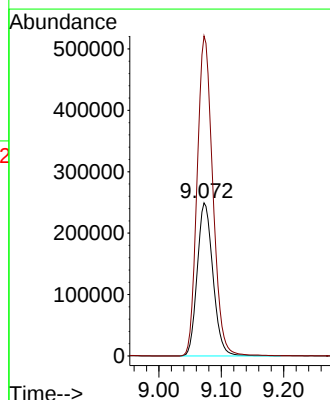
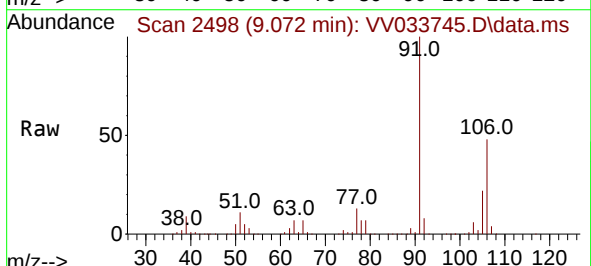
RT: 9.072 min Scan# 2498

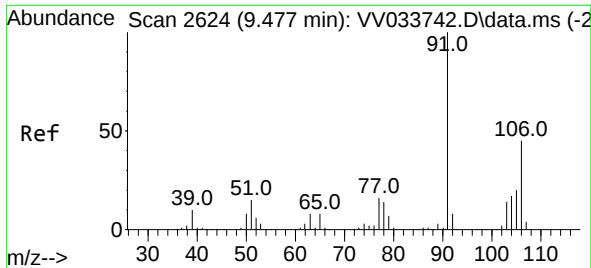
Delta R.T. -0.000 min

Lab File: VV033745.D

Acq: 19 Jan 2024 11:27

Tgt Ion:	106	Resp:	436751
Ion Ratio	Lower	Upper	
106	100		
91	209.0	146.1	271.3





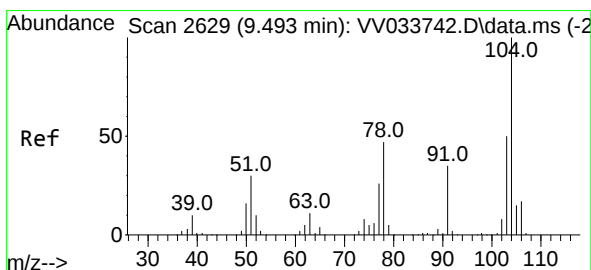
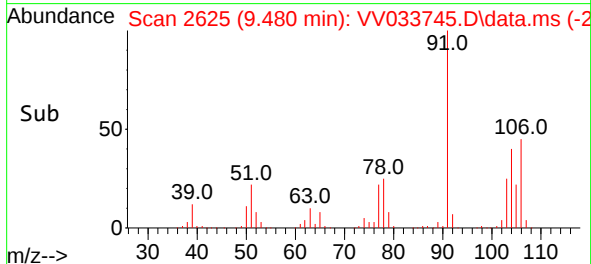
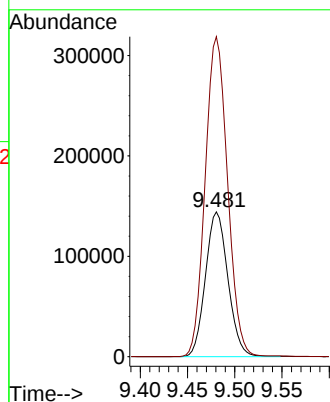
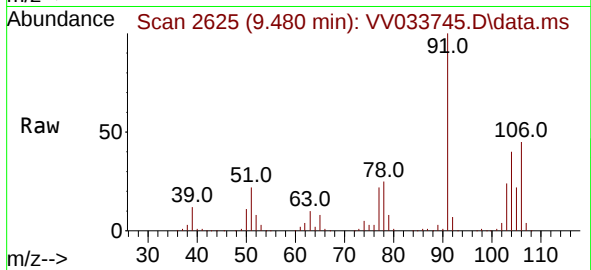
#54
o-Xylene
Concen: 69.665 ug/L
RT: 9.480 min Scan# 2631
Delta R.T. 0.003 min
Lab File: VV033745.D
Acq: 19 Jan 2024 11:27

Instrument :
MSVOA_V
ClientSampleId :
XA319

Tgt Ion:106 Resp: 238418
Ion Ratio Lower Upper
106 100
91 220.9 155.2 288.2

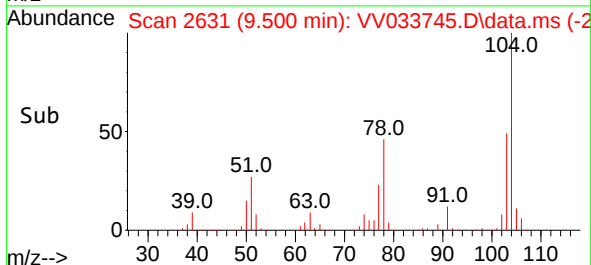
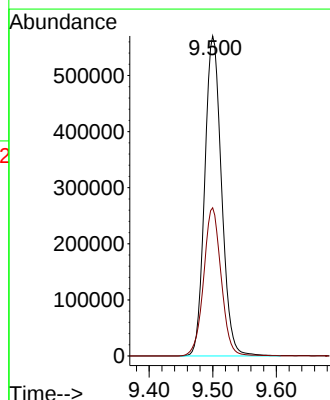
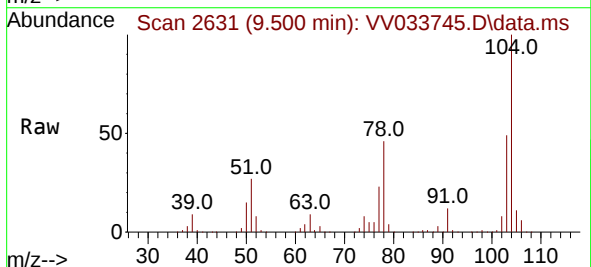
Manual Integrations
APPROVED

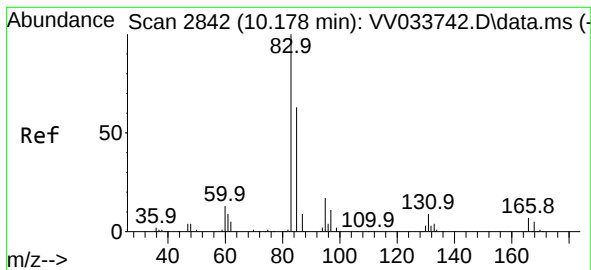
Reviewed By :Mahesh Dadoda 01/24/2024
Supervised By :Semsettin Yesilyurt 01/24/2024



#55
Styrene
Concen: 176.883 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. 0.006 min
Lab File: VV033745.D
Acq: 19 Jan 2024 11:27

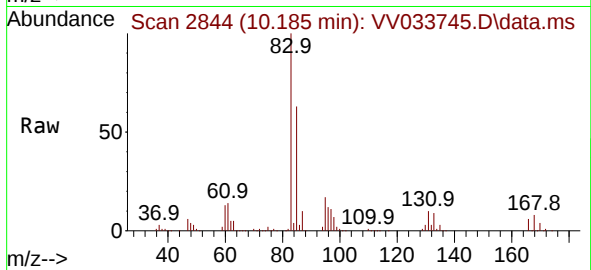
Tgt Ion:104 Resp: 1045148
Ion Ratio Lower Upper
104 100
78 46.3 33.0 61.4





#57
1,1,2,2-Tetrachloroethane
Concen: 155.209 ug/L
RT: 10.185 min Scan# 2844
Delta R.T. 0.006 min
Lab File: VV033745.D
Acq: 19 Jan 2024 11:27

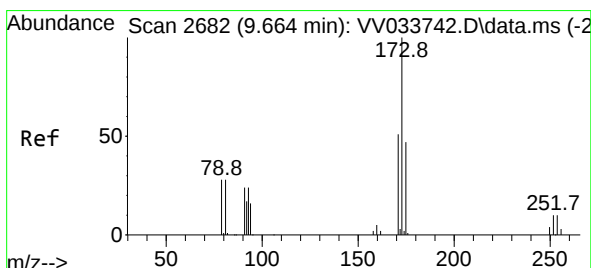
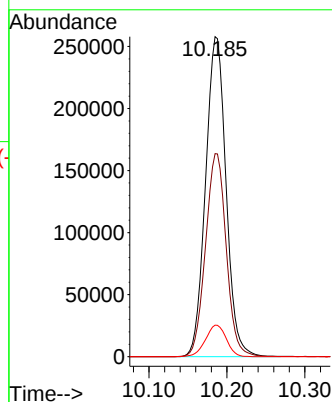
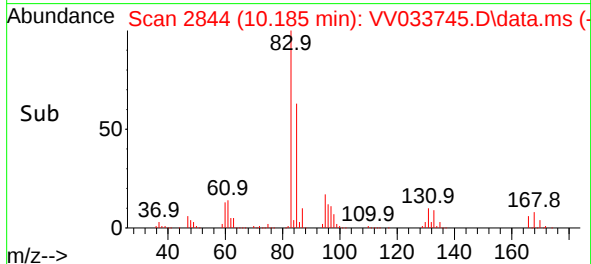
Instrument :
MSVOA_V
ClientSampleId :
XA319



Tgt Ion: 83 Resp: 47166
Ion Ratio Lower Upper
83 100
85 63.4 44.9 83.5
131 9.9 7.5 11.3

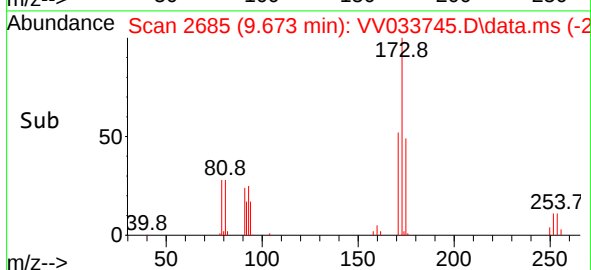
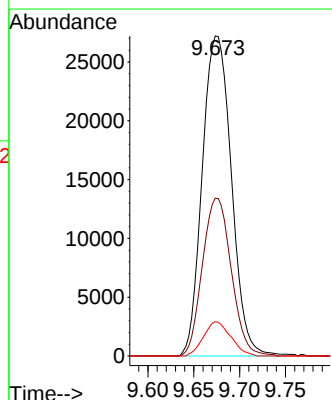
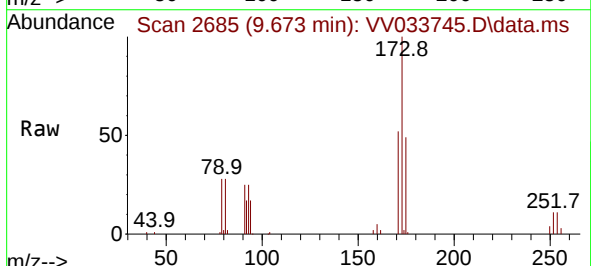
Manual Integrations
APPROVED

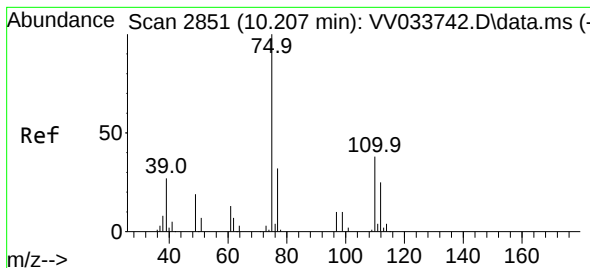
Reviewed By :Mahesh Dadoda 01/24/2024
Supervised By :Semsettin Yesilyurt 01/24/2024



#59
Bromoform
Concen: 43.371 ug/L
RT: 9.673 min Scan# 2685
Delta R.T. 0.010 min
Lab File: VV033745.D
Acq: 19 Jan 2024 11:27

Tgt Ion:173 Resp: 60232
Ion Ratio Lower Upper
173 100
175 48.7 37.2 55.8
254 10.0 7.4 11.0





#61

1,2,3-Trichloropropane

Concen: 139.630 ug/L

RT: 10.217 min Scan# 21

Delta R.T. 0.010 min

Lab File: VV033745.D

Acq: 19 Jan 2024 11:27

Instrument :

MSVOA_V

ClientSampleId :

XA319

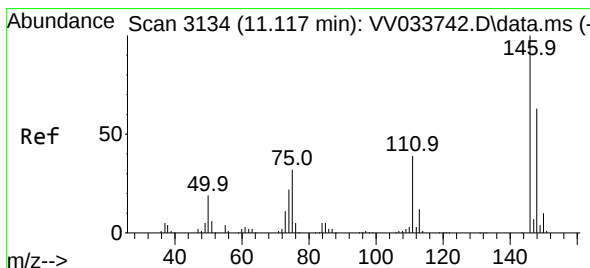
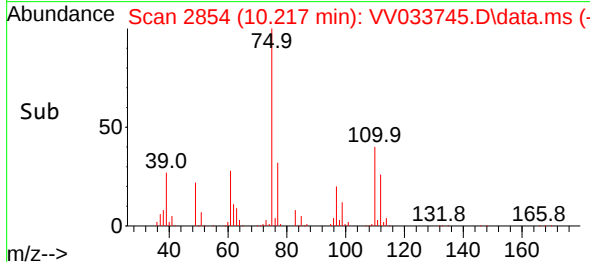
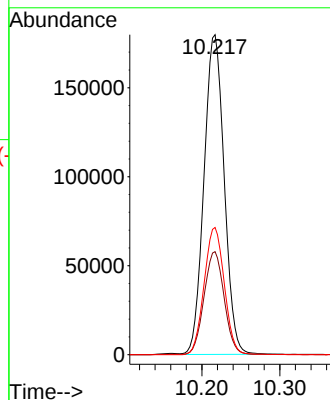
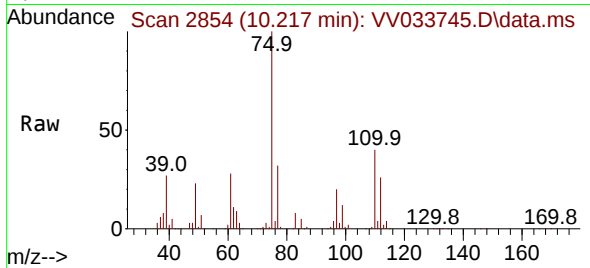
Tgt Ion: 75 Resp: 323804

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.3	37.9
110	39.7	29.5	44.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/24/2024
Supervised By :Semsettin Yesilyurt 01/24/2024



#64

1,3-Dichlorobenzene

Concen: 129.179 ug/L

RT: 11.120 min Scan# 3135

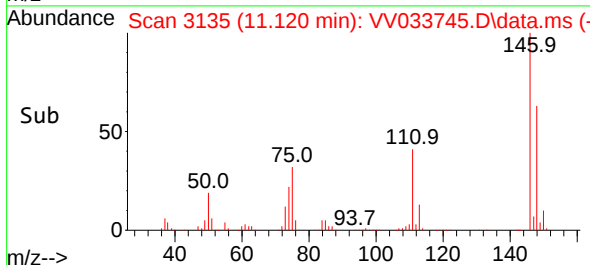
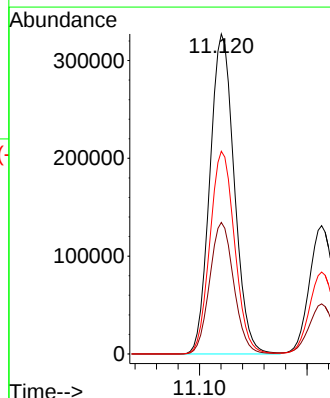
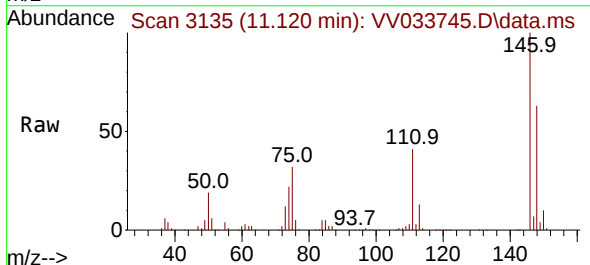
Delta R.T. 0.003 min

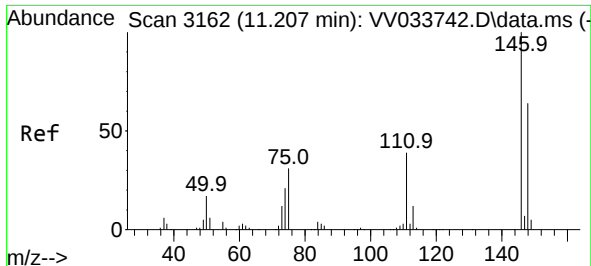
Lab File: VV033745.D

Acq: 19 Jan 2024 11:27

Tgt Ion:146 Resp: 515862

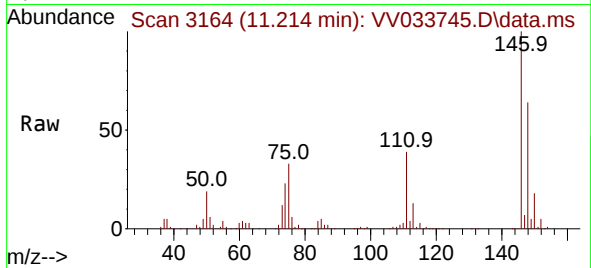
Ion	Ratio	Lower	Upper
146	100		
111	41.1	29.0	53.8
148	63.4	43.9	81.5





#65
1,4-Dichlorobenzene
Concen: 53.403 ug/L
RT: 11.214 min Scan# 3164
Delta R.T. 0.006 min
Lab File: VV033745.D
Acq: 19 Jan 2024 11:27

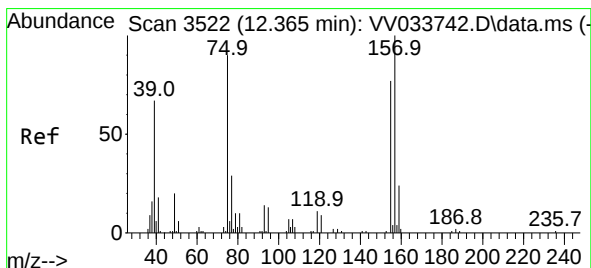
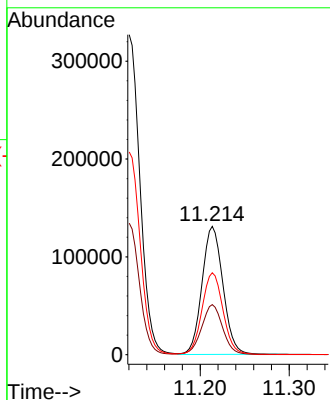
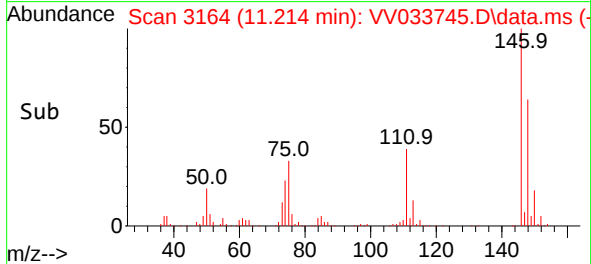
Instrument :
MSVOA_V
ClientSampleId :
XA319



Tgt Ion:146 Resp: 213834
Ion Ratio Lower Upper
146 100
111 39.0 27.7 51.5
148 63.8 44.1 81.9

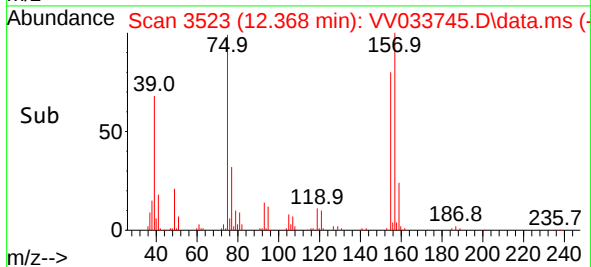
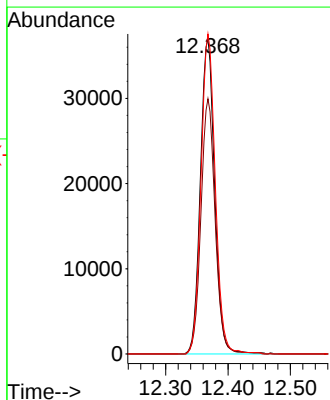
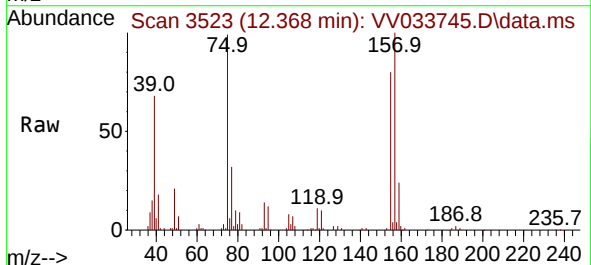
Manual Integrations
APPROVED

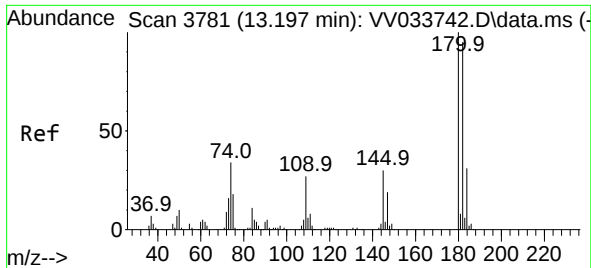
Reviewed By :Mahesh Dadoda 01/24/2024
Supervised By :Semsettin Yesilyurt 01/24/2024



#68
1,2-Dibromo-3-chloropropane
Concen: 88.233 ug/L
RT: 12.368 min Scan# 3523
Delta R.T. 0.003 min
Lab File: VV033745.D
Acq: 19 Jan 2024 11:27

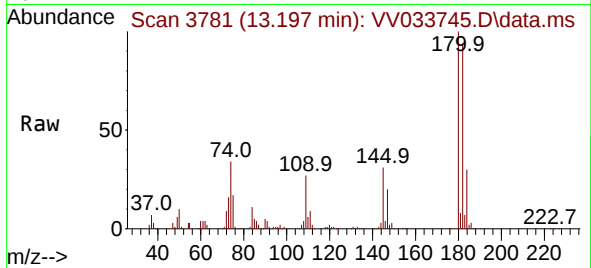
Tgt Ion: 75 Resp: 59045
Ion Ratio Lower Upper
75 100
155 81.0 61.6 92.4
157 101.5 79.2 118.8





#70
1,2,4-trichlorobenzene
Concen: 119.914 ug/L
RT: 13.197 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV033745.D
Acq: 19 Jan 2024 11:27

Instrument :
MSVOA_V
ClientSampleId :
XA319



Tgt Ion:180 Resp: 321178
Ion Ratio Lower Upper
180 100
182 95.1 76.3 114.5
145 30.7 25.4 38.0

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 01/24/2024
Supervised By :Semsettin Yesilyurt 01/24/2024

