

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111124\
 Data File : VX043799.D
 Acq On : 11 Nov 2024 17:59
 Operator : JC/MD
 Sample : P4786-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 E27N4

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/12/2024
 Supervised By : Mahesh Dadoda 11/12/2024

Quant Time: Nov 12 00:56:36 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXML110424WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 12 00:51:02 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.781	114	274873	50.000	ug/L	# 0.03
28) Chlorobenzene-d5	10.055	117	243769	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	12.018	152	131714	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.368	65	65402	44.663	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	89.320%		
7) Chloroethane-d5	1.642	69	39703	63.077	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	126.160%		
11) 1,1-Dichloroethene-d2	2.300	65	31497	46.594	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	93.180%		
21) 2-Butanone-d5	4.495	46	71707	74.789	ug/L	0.04
Spiked Amount 100.000	Range 40 - 130		Recovery =	74.790%		
24) Chloroform-d	5.056	84	129709	41.089	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	82.180%		
26) 1,2-Dichloroethane-d4	5.958	65	83288	41.532	ug/L	0.01
Spiked Amount 50.000	Range 70 - 125		Recovery =	83.060%		
32) Benzene-d6	5.989	84	271619	43.098	ug/L	0.02
Spiked Amount 50.000	Range 70 - 125		Recovery =	86.200%		
36) 1,2-Dichloropropane-d6	7.391	67	59272	30.912	ug/L	0.09
Spiked Amount 50.000	Range 70 - 120		Recovery =	61.820%#		
41) Toluene-d8	8.653	98	241249	42.138	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	84.280%		
43) trans-1,3-Dichloroprop...	8.958	79	40191	43.830	ug/L	0.01
Spiked Amount 50.000	Range 60 - 125		Recovery =	87.660%		
47) 2-Hexanone-d5	9.384	63	65740	86.634	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	86.630%		
56) 1,1,2,2-Tetrachloroeth...	11.189	84	114906	46.706	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	93.420%		
66) 1,2-Dichlorobenzene-d4	12.317	152	103439	45.326	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	90.660%		
Target Compounds						Qvalue
5) Vinyl chloride	1.374	62	159742	86.680	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.319	101	91506	56.971	ug/L	97
12) 1,1-Dichloroethene	2.313	96	366591	250.015	ug/L #	66
13) Acetone	2.392	43	24286	27.235	ug/L	73
16) Methylene chloride	2.788	84	67564	38.140	ug/L	91
17) trans-1,2-Dichloroethene	3.087	96	170743	108.239	ug/L	93
19) 1,1-Dichloroethane	3.611	63	918578	295.716	ug/L	98
20) cis-1,2-Dichloroethene	4.489	96	10780627	5502.313	ug/L	98
27) 1,2-Dichloroethane	6.092	62	10987	4.266	ug/L #	84
30) 1,1,1-Trichloroethane	5.391	97	1504704	509.546	ug/L	98
33) Benzene	6.062	78	21562m	3.103	ug/L	
34) Trichloroethene	7.178	95	84920754m	45460.788	ug/L	
40) 4-Methyl-2-pentanone	8.580	43	99844	39.633	ug/L	94
42) Toluene	8.726	91	587069	80.330	ug/L	99
45) 1,1,2-Trichloroethane	9.159	97	16054	8.459	ug/L	91
46) Tetrachloroethene	9.275	164	480486	357.348	ug/L	96
51) Chlorobenzene	10.079	112	11882	2.488	ug/L	93
52) Ethylbenzene	10.195	91	25706	3.236	ug/L	93
53) m,p-Xylene	10.299	106	19452	6.343	ug/L	99

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM110424WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Nov 12 00:51:02 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) o-Xylene	10.640	106	9047	2.959	ug/L	93
63) 1,2,4-Trimethylbenzene	11.756	105	10591	1.386	ug/L	95

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

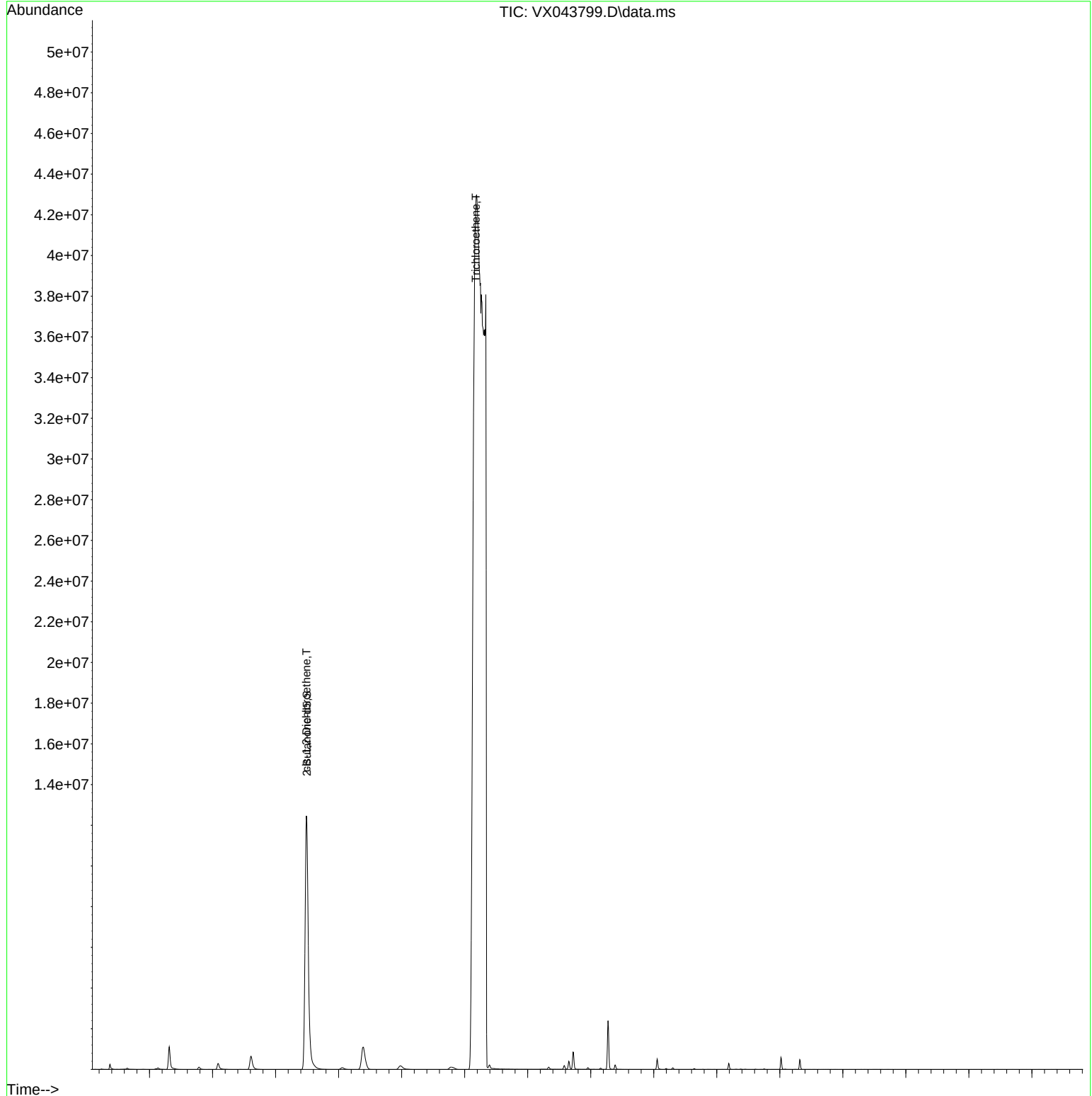
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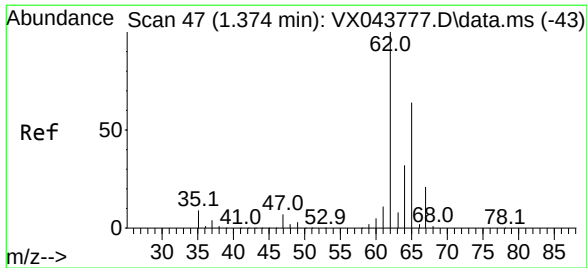
Instrument :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\SFAMXLM110424WMA.M
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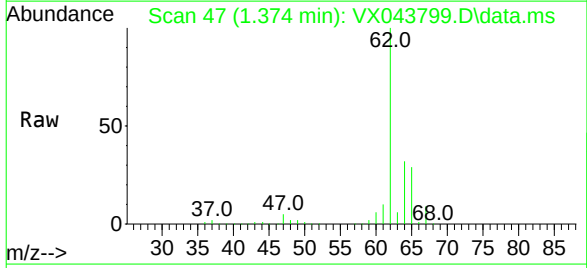
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#5
 Vinyl chloride
 Concen: 86.680 ug/L
 RT: 1.374 min Scan# 47
 Delta R.T. -0.000 min
 Lab File: VX043799.D
 Acq: 11 Nov 2024 17:59

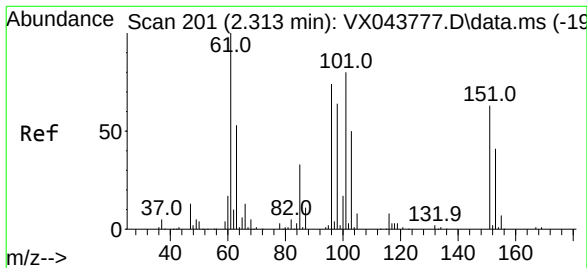
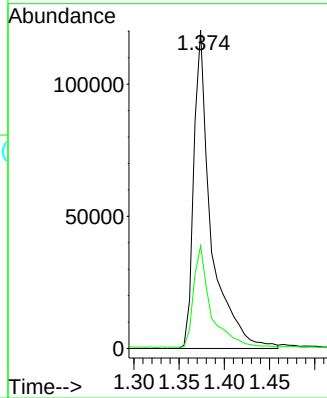
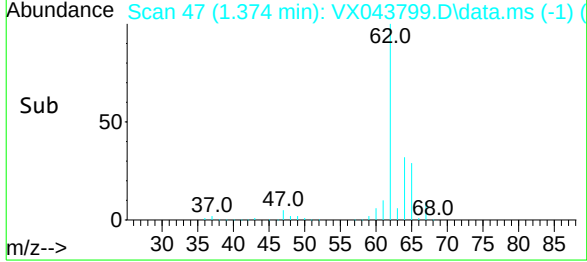
Instrument :
 MSVOA_X
 ClientSampleId :
 E27N4



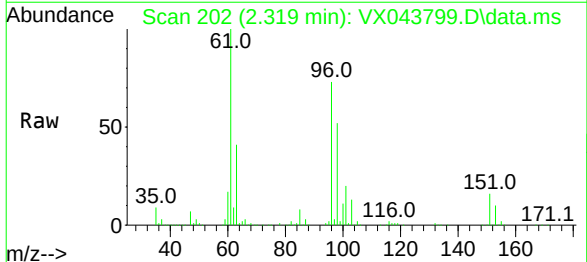
Tgt Ion: 62 Resp: 159742
 Ion Ratio Lower Upper
 62 100
 64 32.3 24.0 44.6

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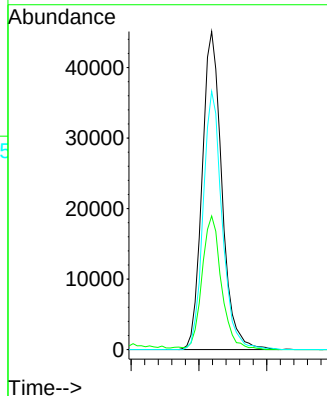
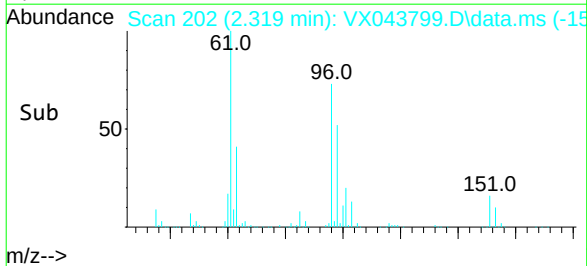
Reviewed By :John Carlone 11/12/2024
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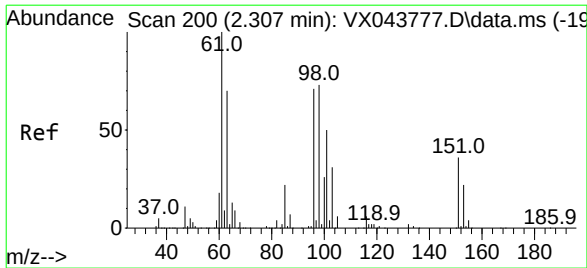


#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 56.971 ug/L
 RT: 2.319 min Scan# 202
 Delta R.T. 0.006 min
 Lab File: VX043799.D
 Acq: 11 Nov 2024 17:59



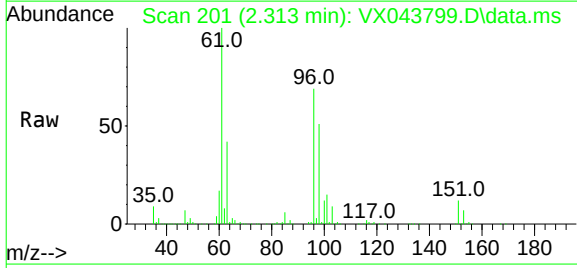
Tgt Ion:101 Resp: 91506
 Ion Ratio Lower Upper
 101 100
 85 41.0 34.0 51.0
 151 77.6 60.2 90.4





#12
1,1-Dichloroethene
Concen: 250.015 ug/L
RT: 2.313 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX043799.D
Acq: 11 Nov 2024 17:59

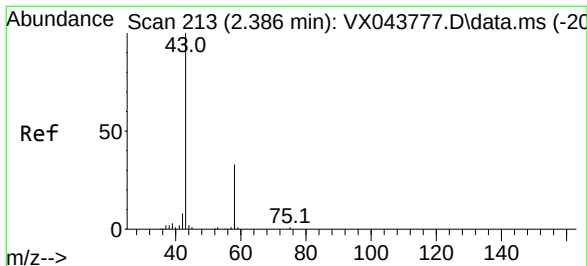
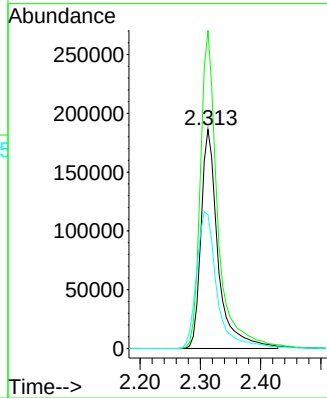
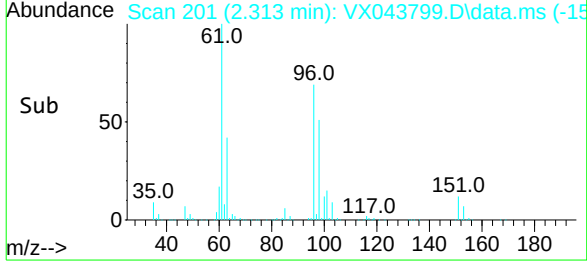
Instrument :
MSVOA_X
ClientSampleId :
E27N4



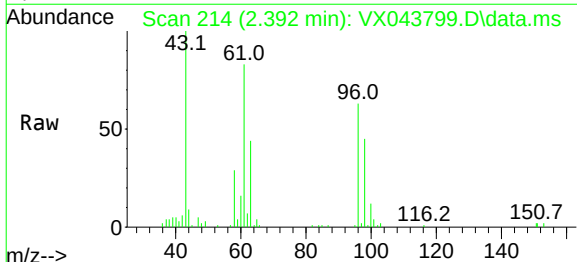
Tgt Ion: 96 Resp: 366591
Ion Ratio Lower Upper
96 100
61 145.2 119.7 222.3
63 61.1 86.5 160.6

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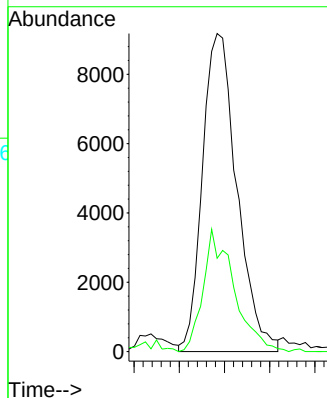
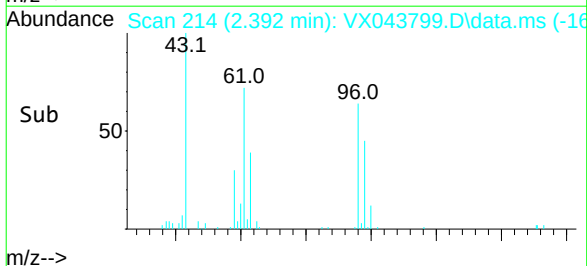
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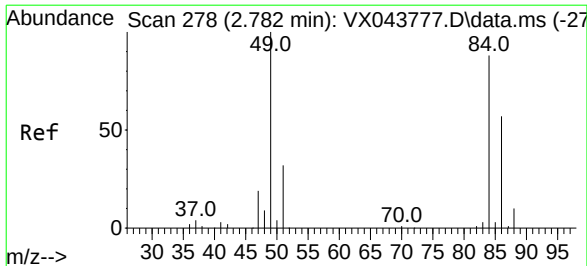


#13
Acetone
Concen: 27.235 ug/L
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX043799.D
Acq: 11 Nov 2024 17:59



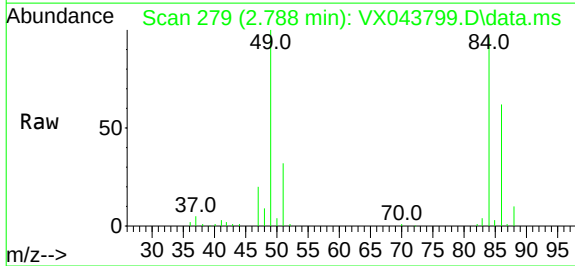
Tgt Ion: 43 Resp: 24286
Ion Ratio Lower Upper
43 100
58 16.7 0.0 63.6





#16
Methylene chloride
Concen: 38.140 ug/L
RT: 2.788 min Scan# 27
Delta R.T. 0.006 min
Lab File: VX043799.D
Acq: 11 Nov 2024 17:59

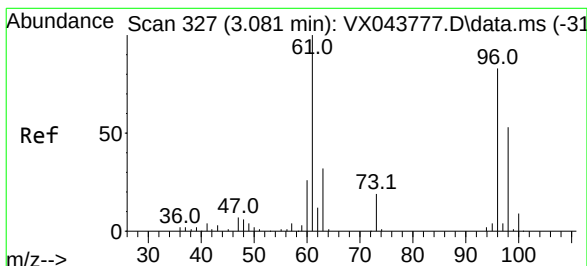
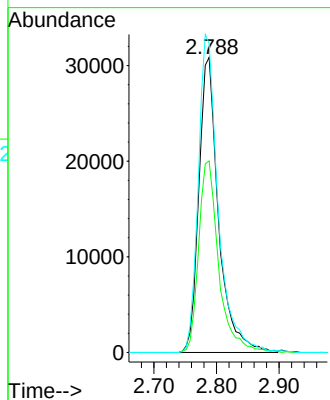
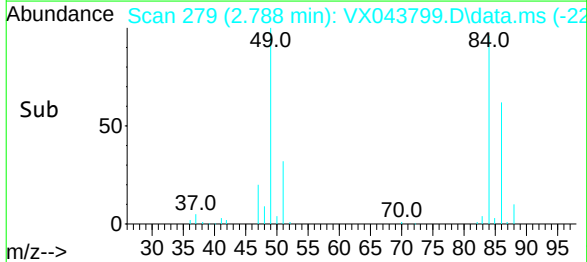
Instrument :
MSVOA_X
ClientSampleId :
E27N4



Tgt Ion: 84 Resp: 67564
Ion Ratio Lower Upper
84 100
86 64.9 44.7 83.1
49 104.7 83.2 154.4

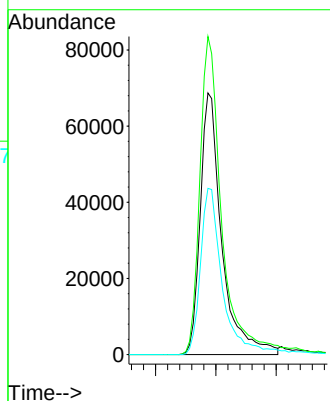
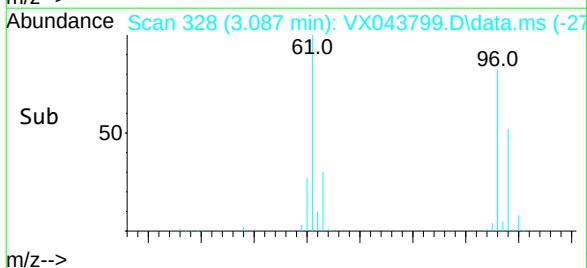
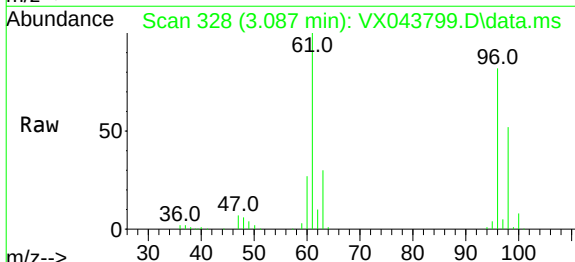
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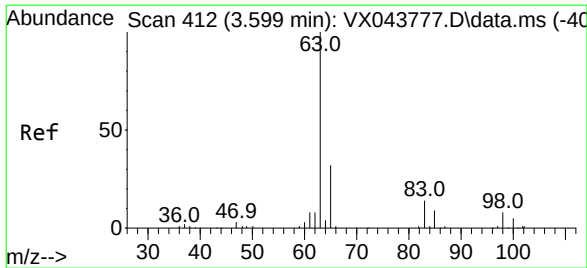
Reviewed By :John Carlone 11/12/2024
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#17
trans-1,2-Dichloroethene
Concen: 108.239 ug/L
RT: 3.087 min Scan# 328
Delta R.T. 0.006 min
Lab File: VX043799.D
Acq: 11 Nov 2024 17:59

Tgt Ion: 96 Resp: 170743
Ion Ratio Lower Upper
96 100
61 121.5 93.4 173.6
98 63.5 44.1 81.9





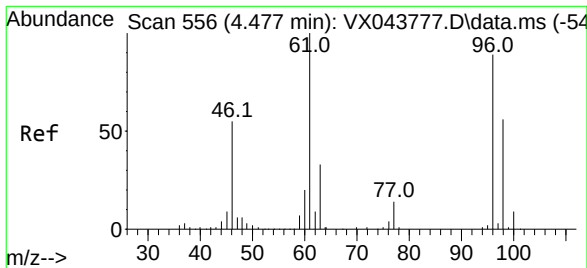
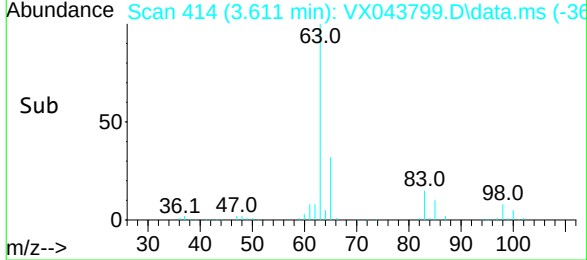
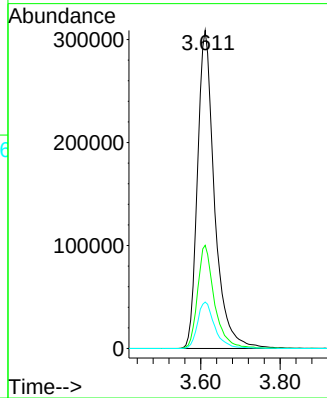
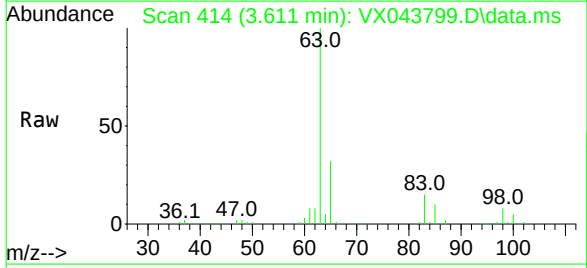
#19
1,1-Dichloroethane
Concen: 295.716 ug/L
RT: 3.611 min Scan# 41
Delta R.T. 0.012 min
Lab File: VX043799.D
Acq: 11 Nov 2024 17:59

Instrument :
MSVOA_X
ClientSampleId :
E27N4

Tgt Ion: 63 Resp: 918578
Ion Ratio Lower Upper
63 100
65 32.4 23.2 43.2
83 14.6 9.4 17.4

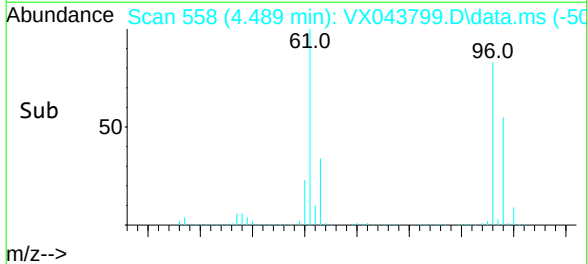
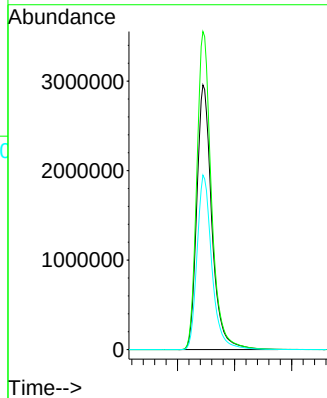
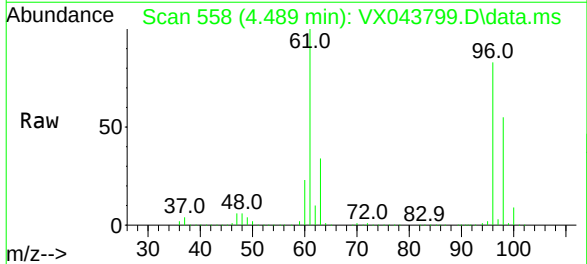
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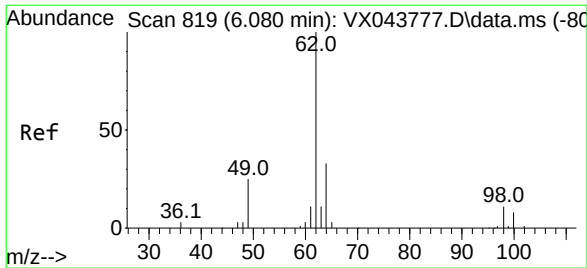
Reviewed By :John Carlone 11/12/2024
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#20
cis-1,2-Dichloroethene
Concen: 5502.313 ug/L
RT: 4.489 min Scan# 558
Delta R.T. 0.012 min
Lab File: VX043799.D
Acq: 11 Nov 2024 17:59

Tgt Ion: 96 Resp:10780627
Ion Ratio Lower Upper
96 100
61 120.2 85.2 158.2
98 65.9 44.6 82.8





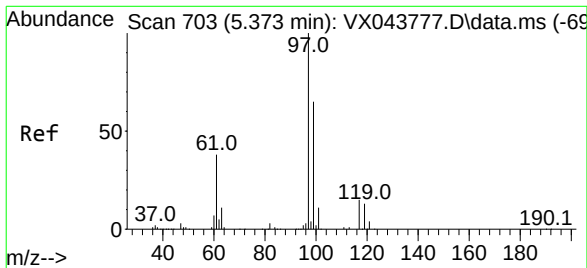
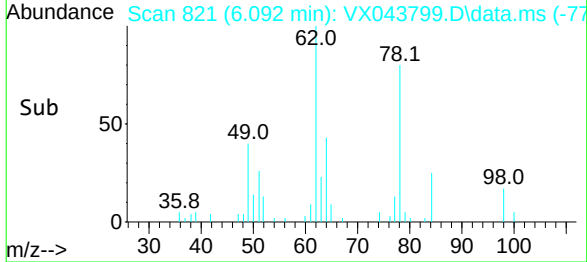
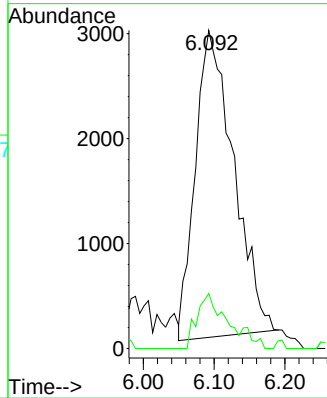
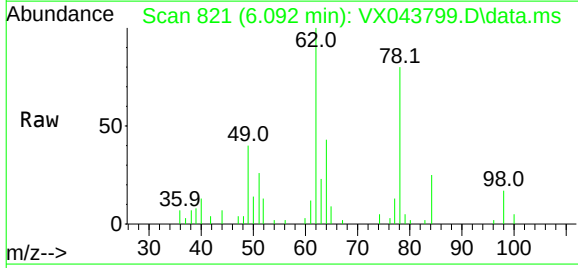
#27
1,2-Dichloroethane
Concen: 4.266 ug/L
RT: 6.092 min Scan# 821
Delta R.T. 0.012 min
Lab File: VX043799.D
Acq: 11 Nov 2024 17:59

Instrument :
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Tgt Ion: 62 Resp: 10987
Ion Ratio Lower Upper
62 100
98 17.3 9.0 13.6#

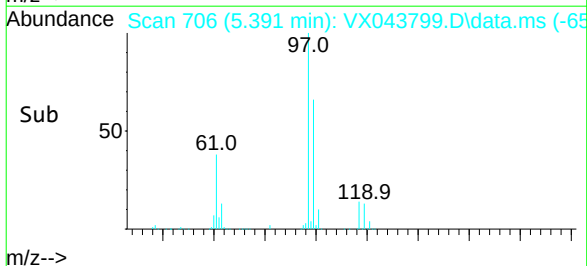
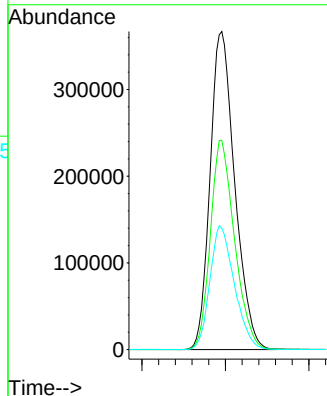
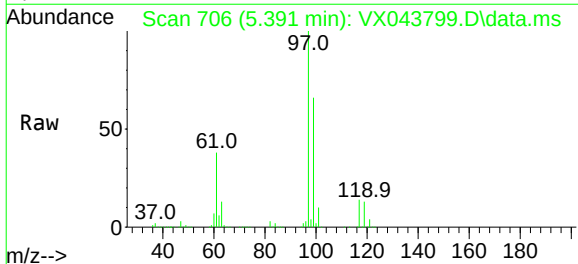
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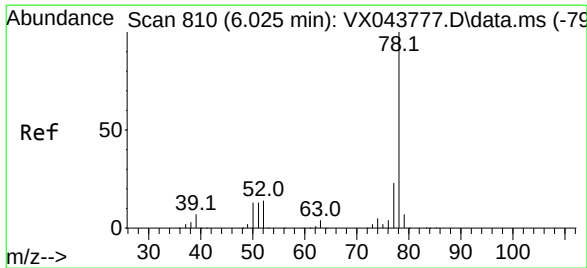
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024



#30
1,1,1-Trichloroethane
Concen: 509.546 ug/L
RT: 5.391 min Scan# 706
Delta R.T. 0.018 min
Lab File: VX043799.D
Acq: 11 Nov 2024 17:59

Tgt Ion: 97 Resp: 1504704
Ion Ratio Lower Upper
97 100
99 64.5 51.0 76.6
61 38.4 32.6 49.0





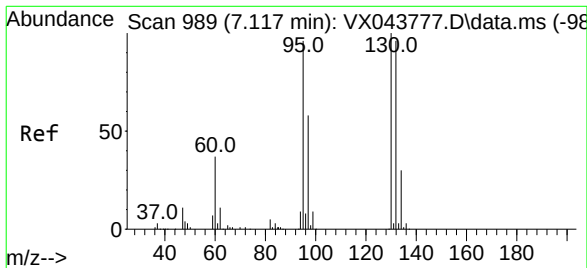
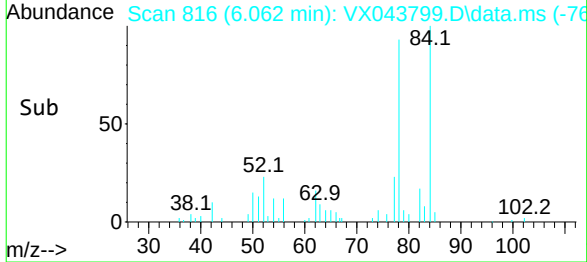
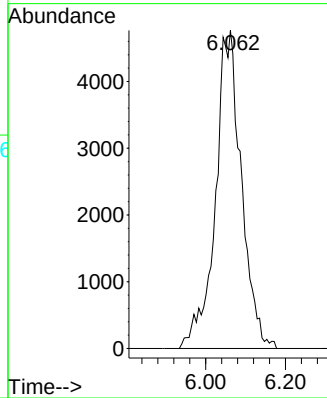
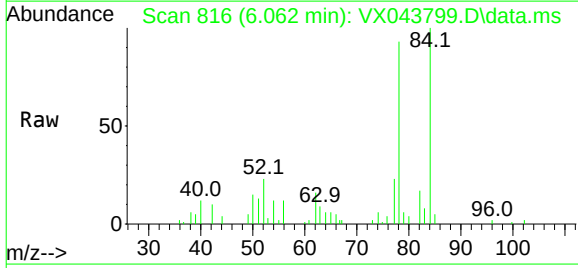
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Benzene
Concen: 3.103 ug/L m
RT: 6.062 min Scan# 810
Delta R.T. 0.037 min
Lab File: VX043799.D
Acq: 11 Nov 2024 17:59

Instrument :
MSVOA_X
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Tgt Ion: 78 Resp: 21562

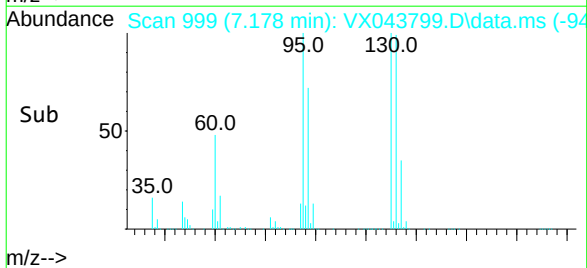
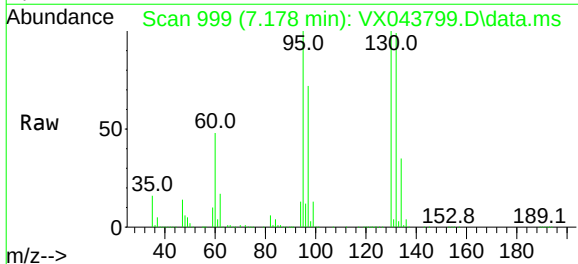
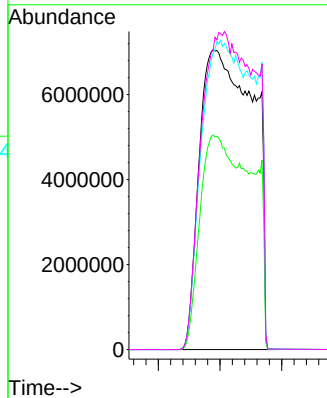
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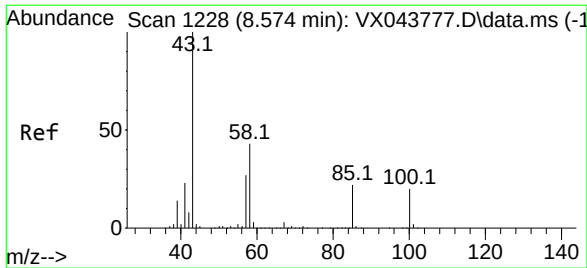
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024



#34
Trichloroethene
Concen: 45460.788 ug/L m
RT: 7.178 min Scan# 999
Delta R.T. 0.061 min
Lab File: VX043799.D
Acq: 11 Nov 2024 17:59

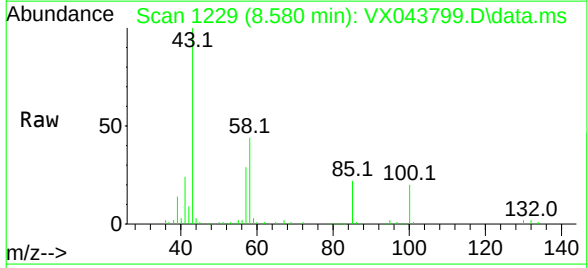
Tgt Ion: 95 Resp:84920754
Ion Ratio Lower Upper
95 100
97 71.5 45.4 84.2
132 98.6 69.7 129.5
130 99.9 72.7 134.9





#40
4-Methyl-2-pentanone
Concen: 39.633 ug/L
RT: 8.580 min Scan# 1228
Delta R.T. 0.006 min
Lab File: VX043799.D
Acq: 11 Nov 2024 17:59

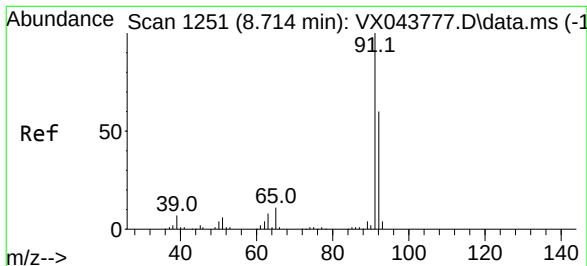
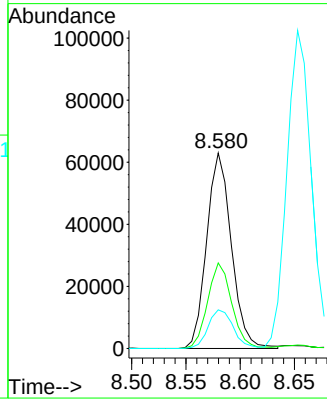
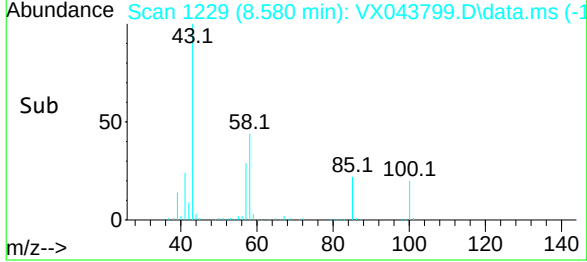
Instrument :
MSVOA_X
ClientSampleId :
E27N4



Tgt Ion: 43 Resp: 99844
Ion Ratio Lower Upper
43 100
58 42.7 31.6 47.4
100 20.1 13.8 20.6

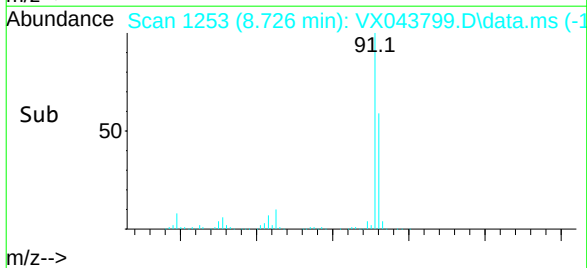
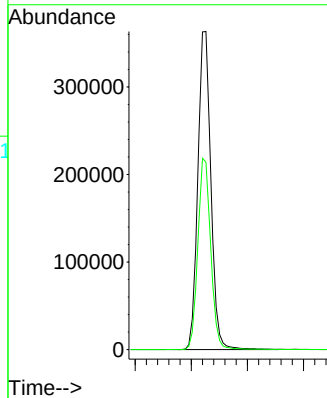
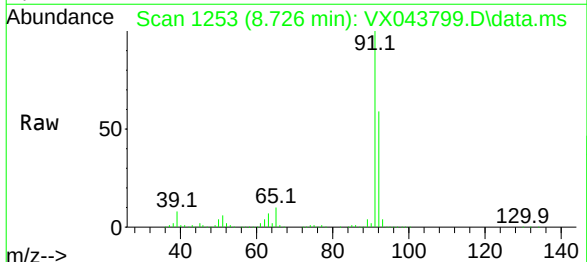
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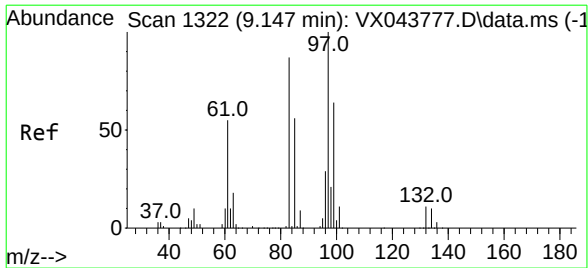
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024



#42
Toluene
Concen: 80.330 ug/L
RT: 8.726 min Scan# 1253
Delta R.T. 0.012 min
Lab File: VX043799.D
Acq: 11 Nov 2024 17:59

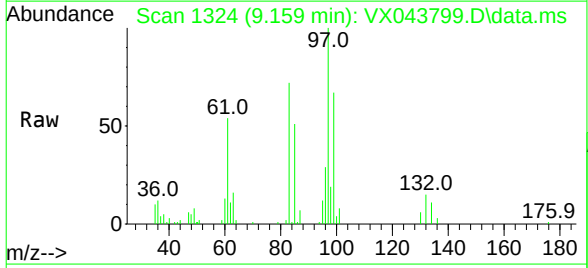
Tgt Ion: 91 Resp: 587069
Ion Ratio Lower Upper
91 100
92 58.9 41.6 77.3





#45
1,1,2-Trichloroethane
Concen: 8.459 ug/L
RT: 9.159 min Scan# 1324
Delta R.T. 0.012 min
Lab File: VX043799.D
Acq: 11 Nov 2024 17:59

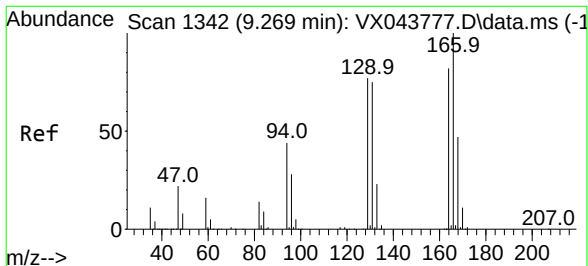
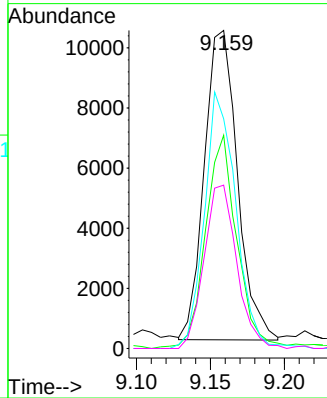
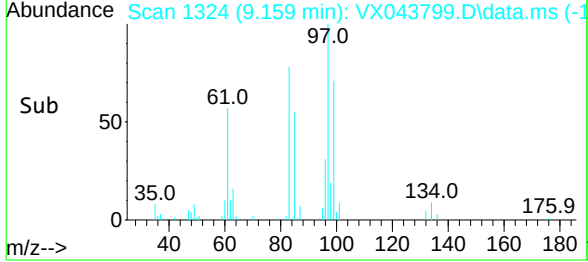
Instrument :
MSVOA_X
ClientSampleId :
E27N4



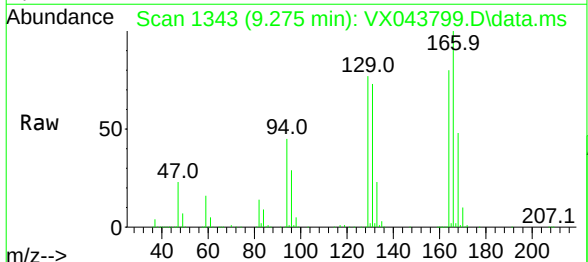
Tgt Ion:	97	Resp:	16054
Ion Ratio	100	Lower	Upper
97	100		
99	67.0	42.8	79.4
83	72.2	58.4	108.4
85	51.4	38.2	71.0

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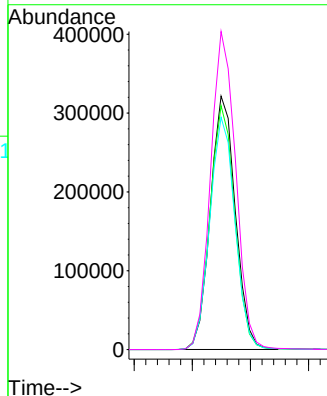
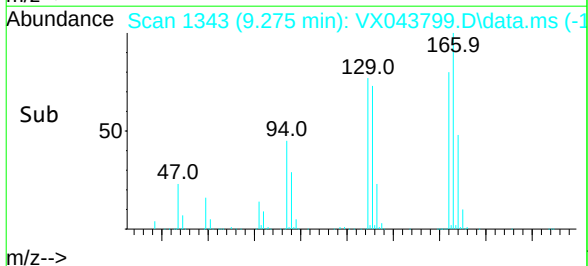
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

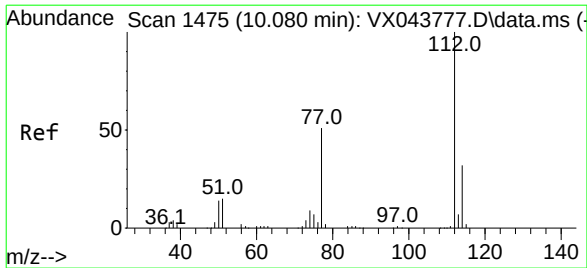


#46
Tetrachloroethene
Concen: 357.348 ug/L
RT: 9.275 min Scan# 1343
Delta R.T. 0.006 min
Lab File: VX043799.D
Acq: 11 Nov 2024 17:59



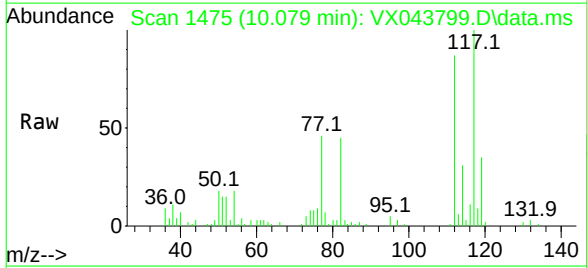
Tgt Ion:	164	Resp:	480486
Ion Ratio	100	Lower	Upper
164	100		
129	96.2	72.2	134.2
131	91.6	69.0	128.2
166	125.5	87.9	163.3





#51
Chlorobenzene
Concen: 2.488 ug/L
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX043799.D
Acq: 11 Nov 2024 17:59

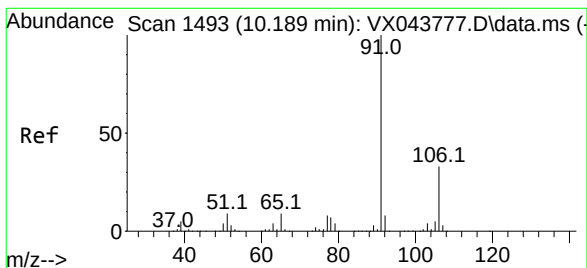
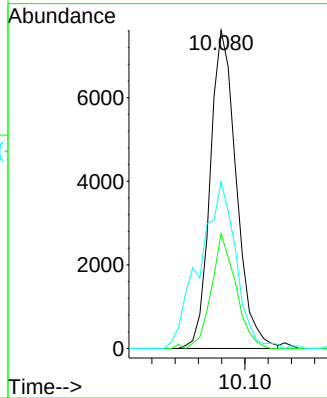
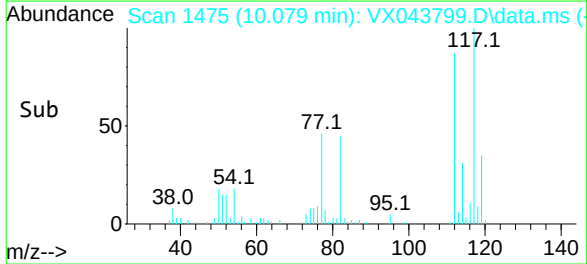
Instrument :
MSVOA_X
ClientSampleId :
E27N4



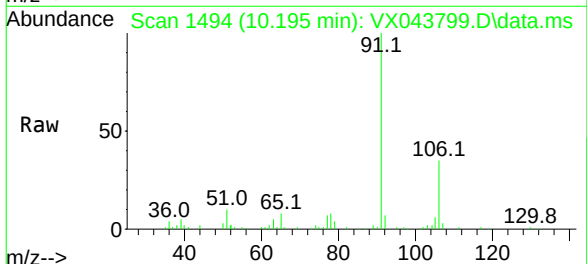
Tgt Ion: 112 Resp: 11882
Ion Ratio Lower Upper
112 100
114 36.1 22.6 42.0
77 52.4 45.9 68.9

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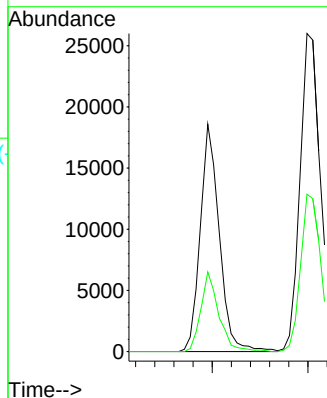
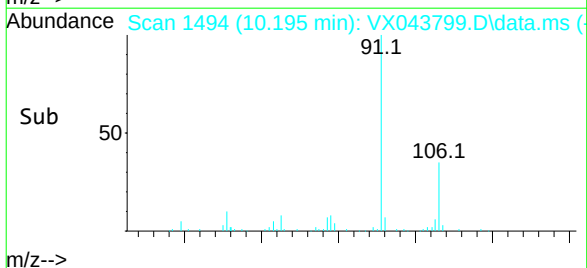
Reviewed By :John Carlone 11/12/2024
Supervised By :Mahesh Dadoda 11/12/2024

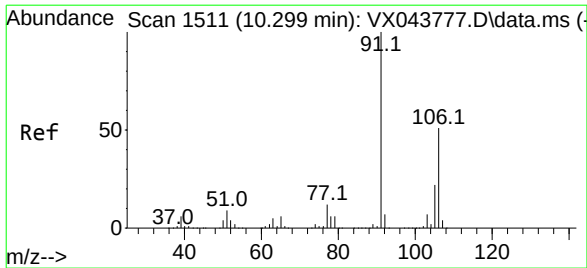


#52
Ethylbenzene
Concen: 3.236 ug/L
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX043799.D
Acq: 11 Nov 2024 17:59



Tgt Ion: 91 Resp: 25706
Ion Ratio Lower Upper
91 100
106 35.1 21.9 40.7





#53

m,p-Xylene

Concen: 6.343 ug/L

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX043799.D

Acq: 11 Nov 2024 17:59

Instrument :

MSVOA_X

ClientSampleId :

E27N4

Tgt Ion:106 Resp: 19452

Ion Ratio Lower Upper

106 100

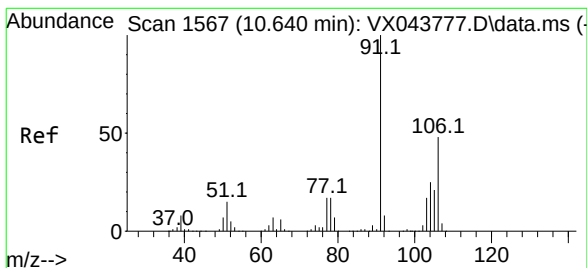
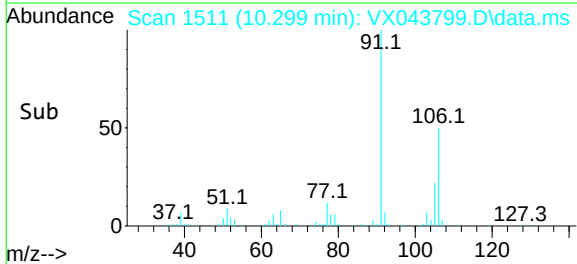
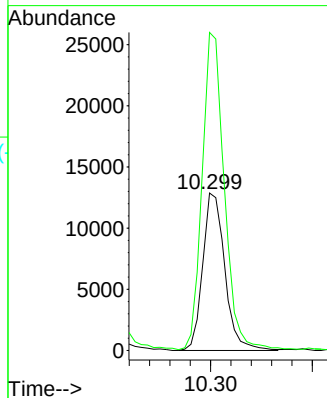
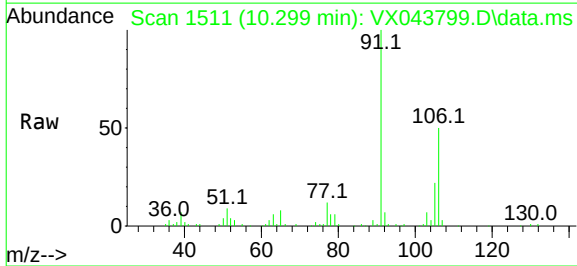
91 202.0 140.6 261.2

Manual Integrations

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Reviewed By :John Carlone 11/12/2024

Supervised By :Mahesh Dadoda 11/12/2024



#54

o-Xylene

Concen: 2.959 ug/L

RT: 10.640 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VX043799.D

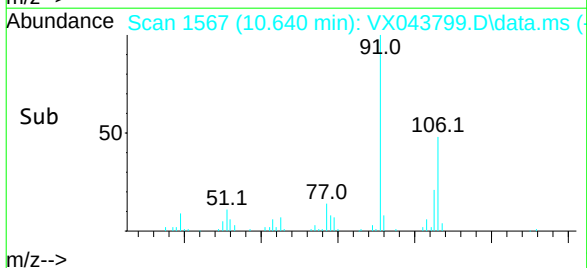
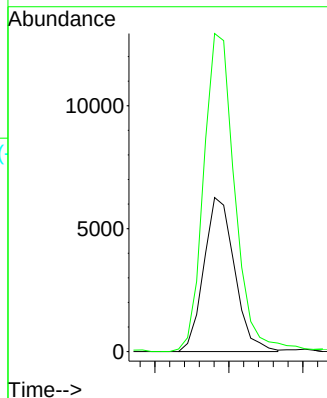
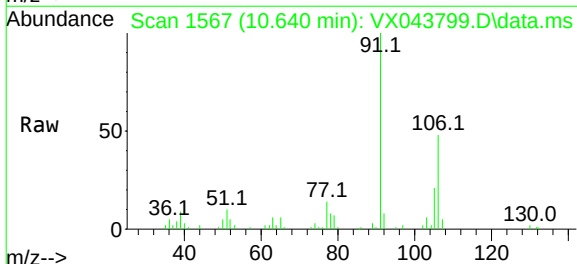
Acq: 11 Nov 2024 17:59

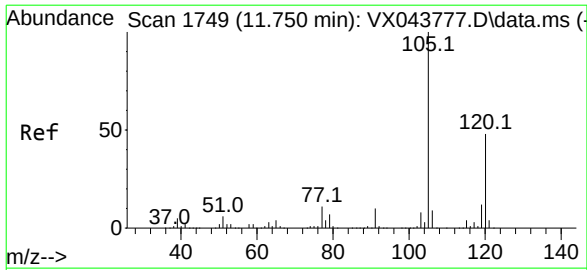
Tgt Ion:106 Resp: 9047

Ion Ratio Lower Upper

106 100

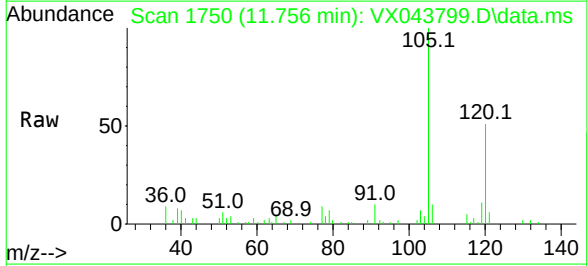
91 206.4 151.9 282.1





#63
 1,2,4-Trimethylbenzene
 Concen: 1.386 ug/L
 RT: 11.756 min Scan# 17
 Delta R.T. 0.006 min
 Lab File: VX043799.D
 Acq: 11 Nov 2024 17:59

Instrument :
 MSVOA_X
 ClientSampleId :
 E27N4



Tgt Ion:105 Resp: 10591
 Ion Ratio Lower Upper
 105 100
 120 47.8 35.7 53.5

Manual Integrations
 APPROVED

Reviewed By :John Carlone 11/12/2024
 Supervised By :Mahesh Dadoda 11/12/2024

