

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW052723\
 Data File : VW031263.D
 Acq On : 26 May 2023 22:13
 Operator : SY/MD
 Sample : BLK
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VIBLK297

Quant Time: May 27 01:49:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR052523WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat May 27 01:45:01 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.564	114	134	5.000	ug/L	# 0.02
28) Chlorobenzene-d5	8.805	117	541	5.000	ug/L	# 0.01
58) 1,4-Dichlorobenzene-d4	11.194	152	1101	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	84	5.656	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	= 113.200%	
7) Chloroethane-d5	1.394	69	69	5.956	ug/L	-0.14
Spiked Amount	5.000	Range	65 - 130	Recovery	= 119.200%	
11) 1,1-Dichloroethene-d2	2.056	65	41	6.679	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	= 133.600%#	
20) 2-Butanone-d5	3.793	46	21	6.570	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	= 13.140%#	
24) Chloroform-d	4.288	84	72	2.445	ug/L	0.03
Spiked Amount	5.000	Range	70 - 125	Recovery	= 48.800%#	
26) 1,2-Dichloroethane-d4	4.976	65	66	4.536	ug/L	0.03
Spiked Amount	5.000	Range	70 - 130	Recovery	= 90.800%	
32) Benzene-d6	4.992	84	72	0.319	ug/L	0.03
Spiked Amount	5.000	Range	70 - 125	Recovery	= 6.400%#	
36) 1,2-Dichloropropane-d6	0.000	67	0	0.000	ug/L	
Spiked Amount	5.000	Range	60 - 140	Recovery	= 0.000%#	
41) Toluene-d8	7.278	98	360	1.823	ug/L	0.03
Spiked Amount	5.000	Range	70 - 130	Recovery	= 36.400%#	
43) trans-1,3-Dichloroprop...	0.000	79	0	0.000	ug/L	
Spiked Amount	5.000	Range	55 - 130	Recovery	= 0.000%#	
46) 2-Hexanone-d5	8.127	63	44	4.433	ug/L	0.09
Spiked Amount	50.000	Range	45 - 130	Recovery	= 8.860%#	
56) 1,1,2,2-Tetrachloroeth...	10.153	84	199	3.730	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	= 74.600%	
66) 1,2-Dichlorobenzene-d4	11.567	152	589	2.280	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	= 45.600%#	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	19	1.318	ug/L #	42
3) Chloromethane	1.214	50	409	25.351	ug/L #	42
5) Vinyl chloride	1.410	62	21	1.346	ug/L #	1
6) Bromomethane	1.491	94	95	12.331	ug/L #	3
8) Chloroethane	1.407	64	42	5.107	ug/L #	42
13) Acetone	2.143	43	714	284.234	ug/L	56
14) Carbon disulfide	2.243	76	308	11.466	ug/L #	76
15) Methyl Acetate	2.394	43	72	14.389	ug/L #	57
16) Methylene chloride	2.452	84	4035	257.739	ug/L	85
17) Methyl tert-butyl Ether	2.658	73	42	1.679	ug/L #	45
18) trans-1,2-Dichloroethene	2.555	96	40	3.955	ug/L #	1
19) 1,1-Dichloroethane	3.056	63	20	0.802	ug/L #	50
21) 2-Butanone	3.902	43	21	6.612	ug/L #	56
22) cis-1,2-Dichloroethene	3.783	96	22	1.893	ug/L #	1
25) Chloroform	4.294	83	713	27.950	ug/L	83
33) Benzene	5.047	78	41	0.203	ug/L	100
48) 2-Hexanone	8.095	43	89	3.962	ug/L #	71
57) 1,1,2,2-Tetrachloroethane	10.011	83	22	0.488	ug/L #	27
61) 1,2,3-Trichloropropane	10.558	75	20	0.166	ug/L #	16

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat May 27 01:45:01 2023
Response via : Initial Calibration

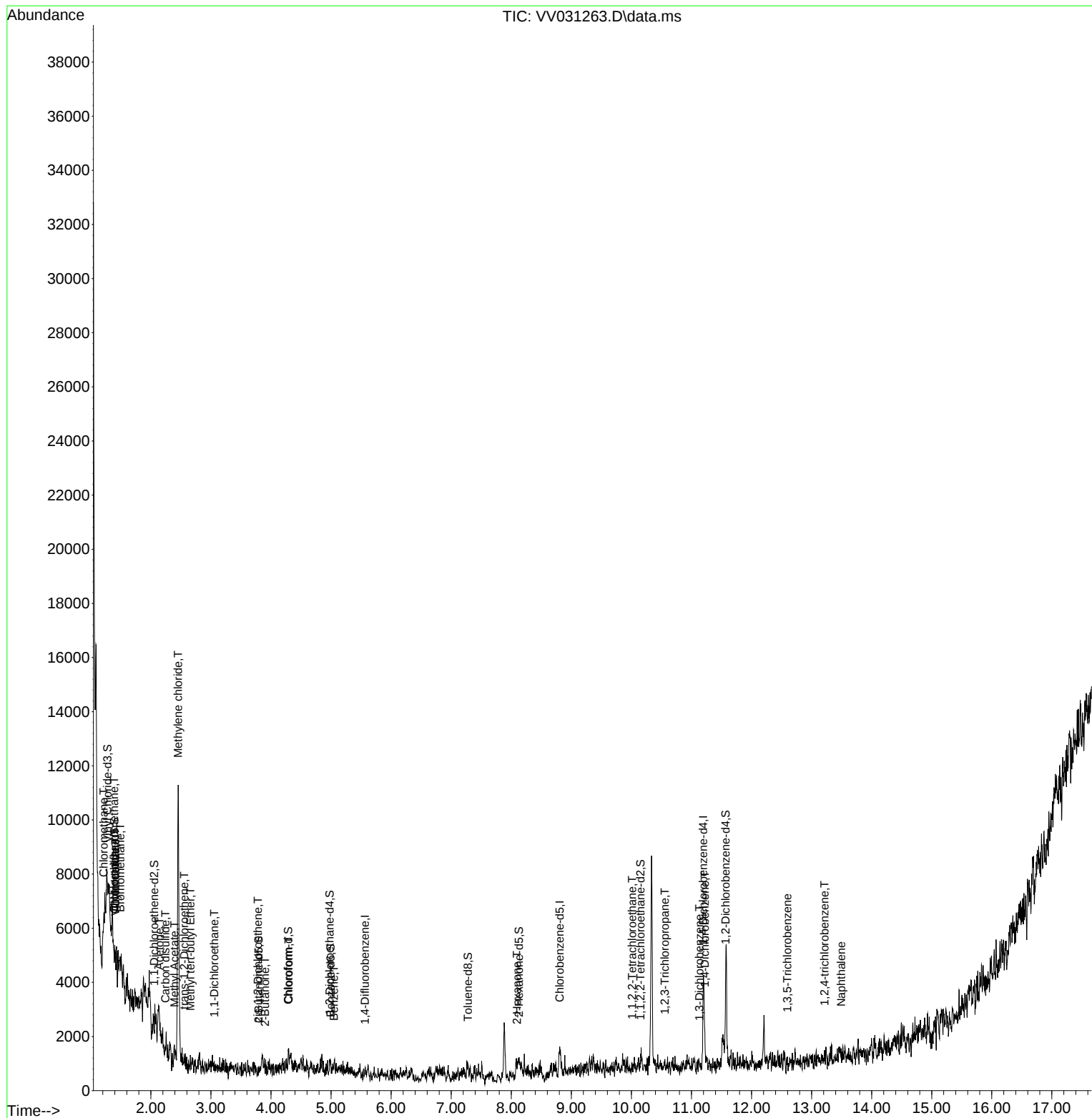
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
64) 1,3-Dichlorobenzene	11.133	146	43	0.113	ug/L #	24
65) 1,4-Dichlorobenzene	11.223	146	69	0.177	ug/L #	24
69) 1,3,5-Trichlorobenzene	12.596	180	78	0.253	ug/L #	58
70) 1,2,4-trichlorobenzene	13.217	180	47	0.191	ug/L #	46
71) Naphthalene	13.493	128	66	0.181	ug/L #	67

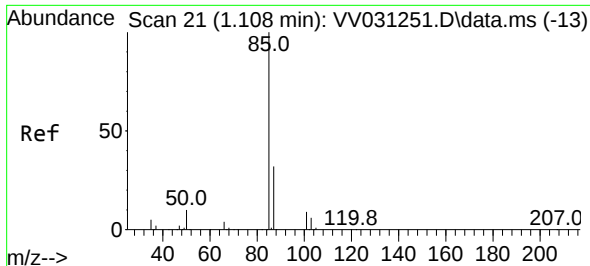
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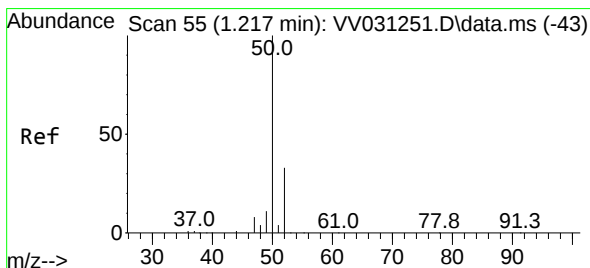
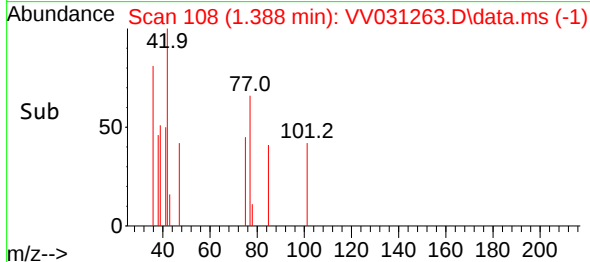
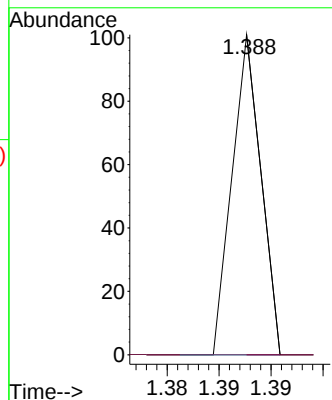
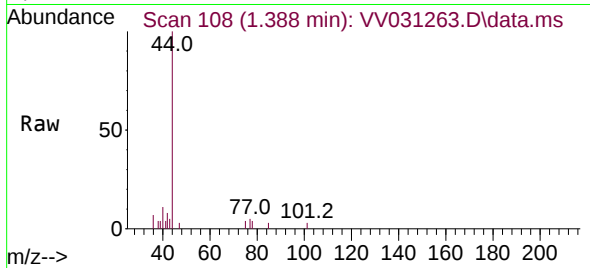




#2
 Dichlorodifluoromethane
 Concen: 1.318 ug/L
 RT: 1.388 min Scan# 10
 Delta R.T. 0.280 min
 Lab File: VV031263.D
 Acq: 26 May 2023 22:13

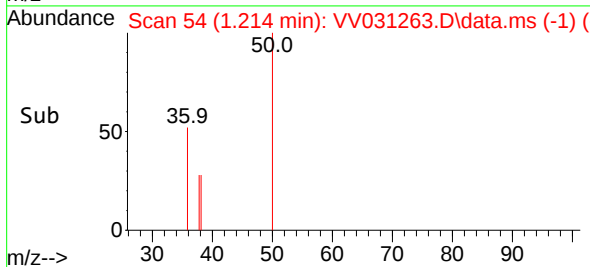
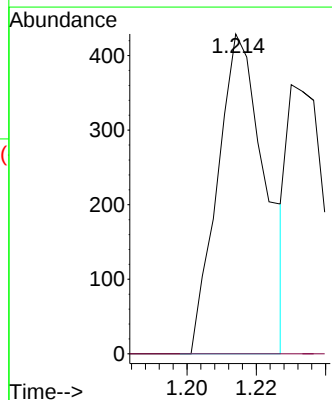
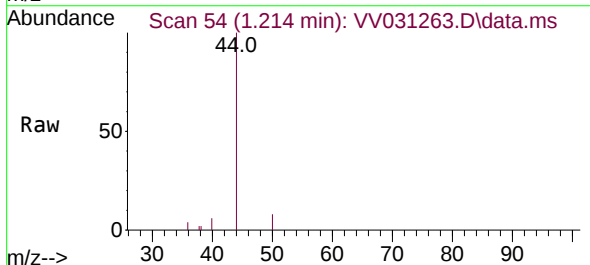
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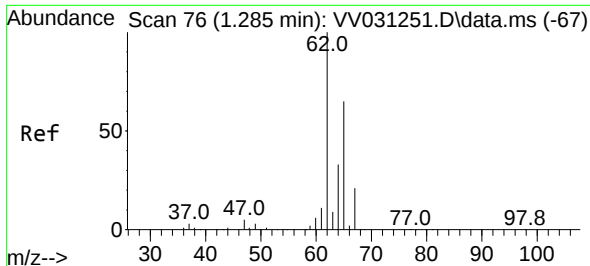
Tgt Ion: 85 Resp: 19
 Ion Ratio Lower Upper
 85 100
 87 0.0 26.1 39.1#



#3
 Chloromethane
 Concen: 25.351 ug/L
 RT: 1.214 min Scan# 54
 Delta R.T. -0.003 min
 Lab File: VV031263.D
 Acq: 26 May 2023 22:13

Tgt Ion: 50 Resp: 409
 Ion Ratio Lower Upper
 50 100
 52 0.0 22.7 42.1#

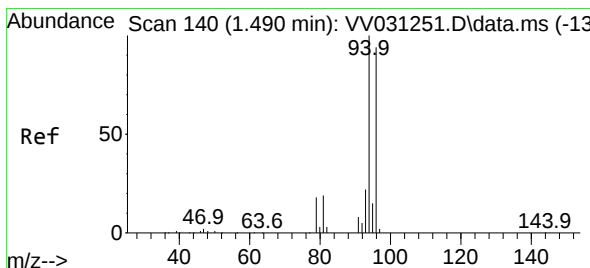
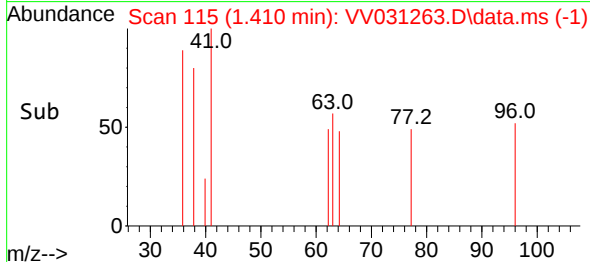
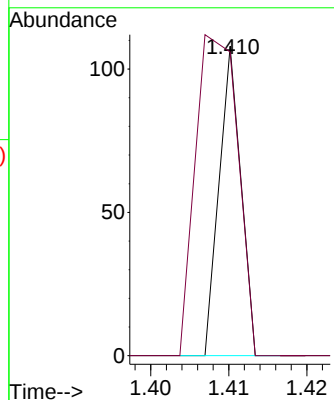
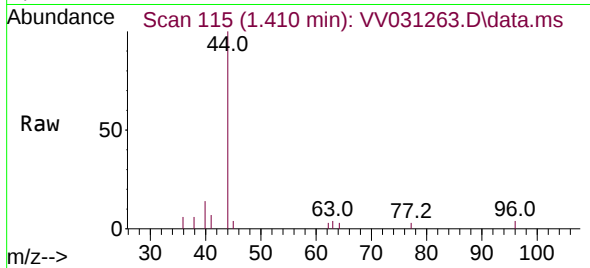




#5
 Vinyl chloride
 Concen: 1.346 ug/L
 RT: 1.410 min Scan# 115
 Delta R.T. 0.125 min
 Lab File: VV031263.D
 Acq: 26 May 2023 22:13

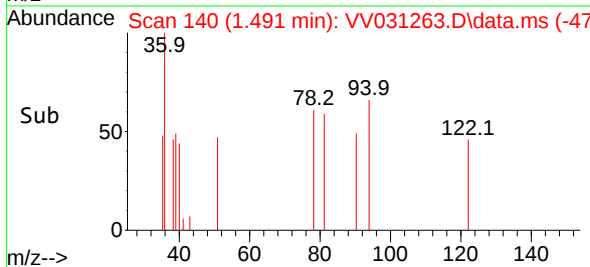
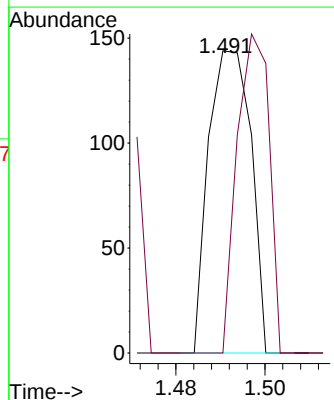
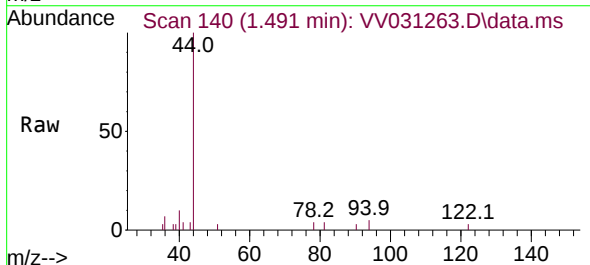
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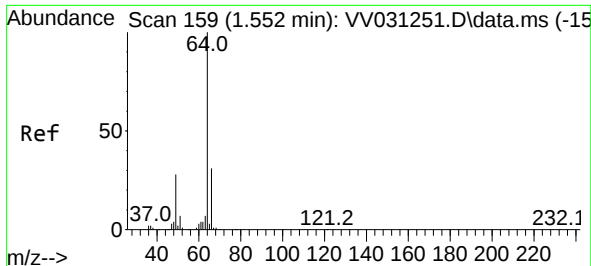
Tgt Ion: 62 Resp: 21
 Ion Ratio Lower Upper
 62 100
 64 98.1 22.7 42.3#



#6
 Bromomethane
 Concen: 12.331 ug/L
 RT: 1.491 min Scan# 140
 Delta R.T. 0.000 min
 Lab File: VV031263.D
 Acq: 26 May 2023 22:13

Tgt Ion: 94 Resp: 95
 Ion Ratio Lower Upper
 94 100
 96 0.0 65.8 122.2#

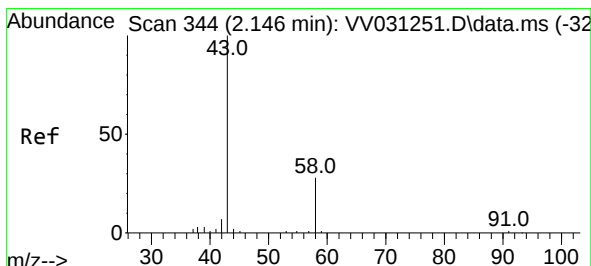
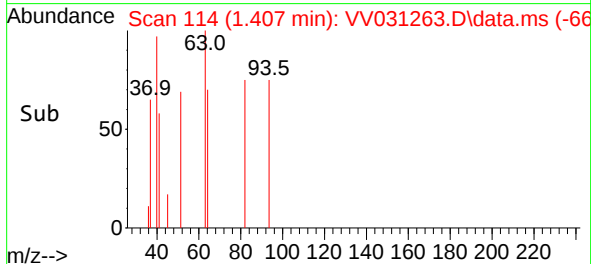
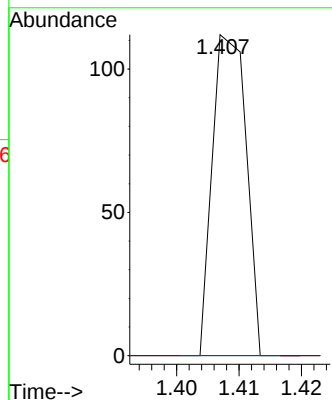
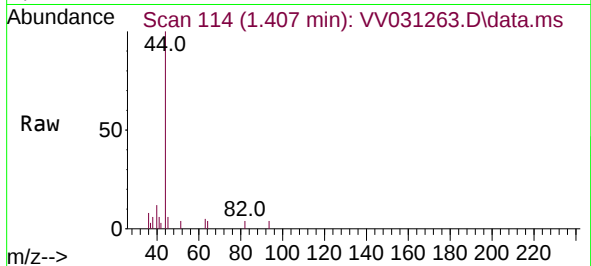




#8
Chloroethane
Concen: 5.107 ug/L
RT: 1.407 min Scan# 114
Delta R.T. -0.145 min
Lab File: VV031263.D
Acq: 26 May 2023 22:13

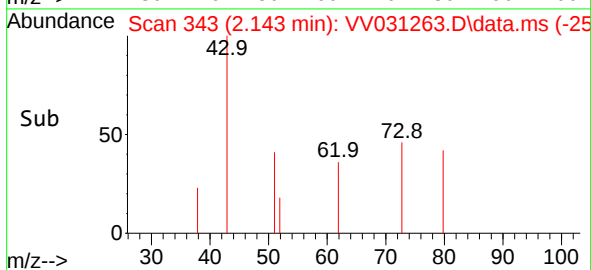
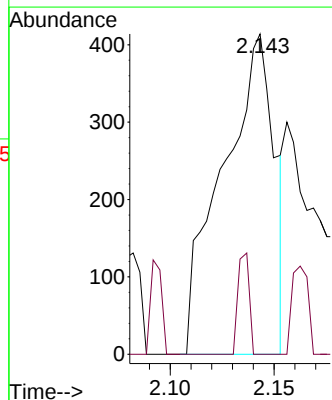
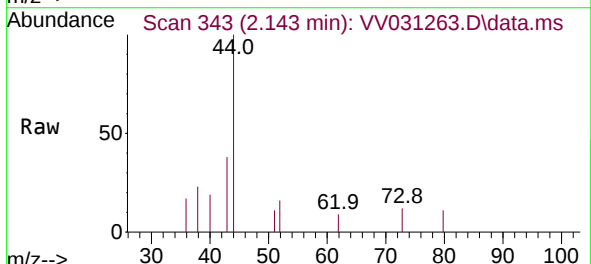
Instrument :
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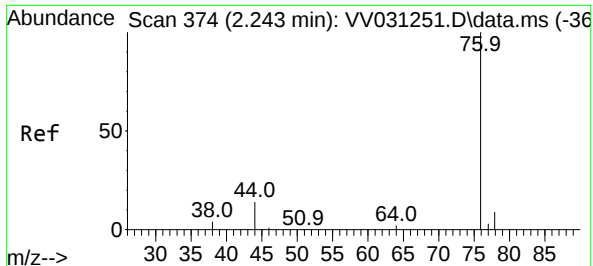
Tgt Ion: 64 Resp: 42
Ion Ratio Lower Upper
64 100
66 0.0 22.7 42.1#



#13
Acetone
Concen: 284.234 ug/L
RT: 2.143 min Scan# 343
Delta R.T. -0.003 min
Lab File: VV031263.D
Acq: 26 May 2023 22:13

Tgt Ion: 43 Resp: 714
Ion Ratio Lower Upper
43 100
58 6.9 0.0 62.2

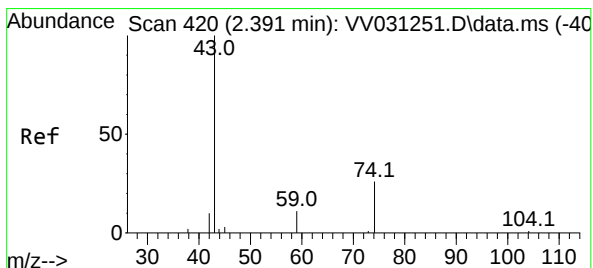
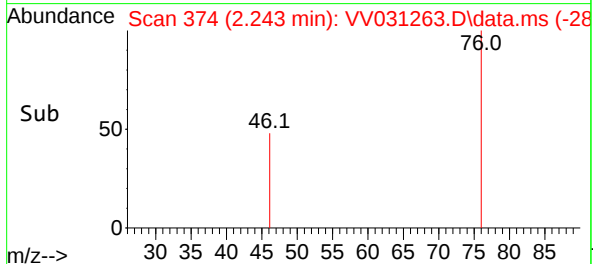
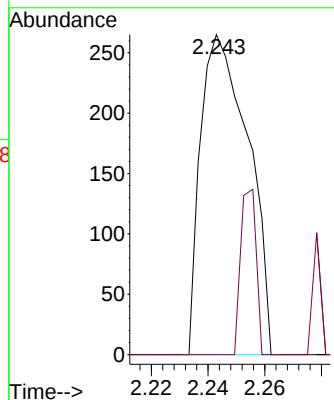
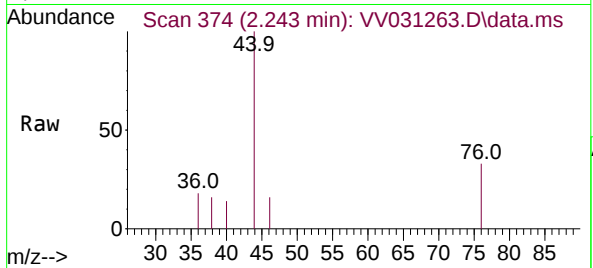




#14
Carbon disulfide
Concen: 11.466 ug/L
RT: 2.243 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV031263.D
Acq: 26 May 2023 22:13

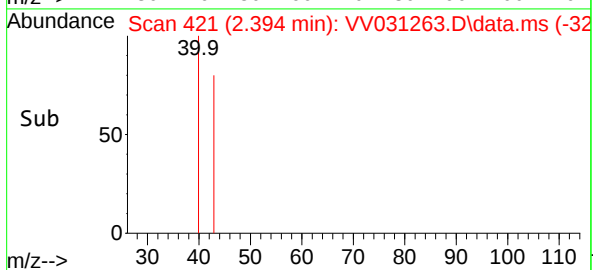
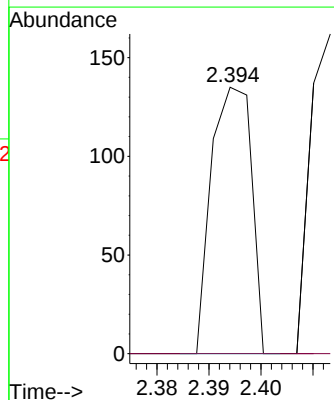
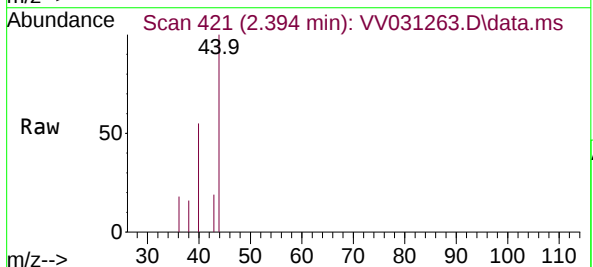
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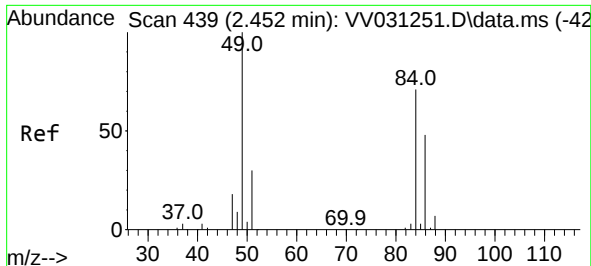
Tgt Ion: 76 Resp: 308
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#



#15
Methyl Acetate
Concen: 14.389 ug/L
RT: 2.394 min Scan# 421
Delta R.T. 0.003 min
Lab File: VV031263.D
Acq: 26 May 2023 22:13

Tgt Ion: 43 Resp: 72
Ion Ratio Lower Upper
43 100
74 0.0 15.5 23.3#

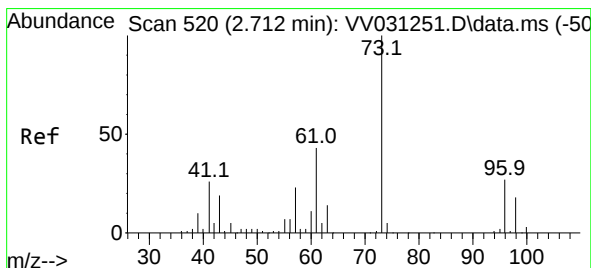
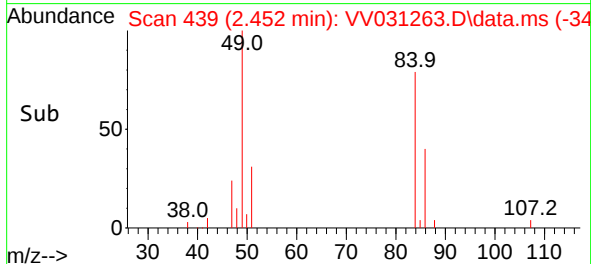
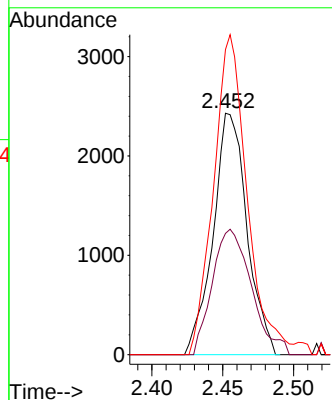
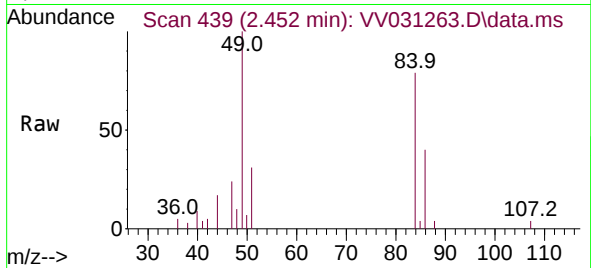




#16
Methylene chloride
Concen: 257.739 ug/L
RT: 2.452 min Scan# 41
Delta R.T. 0.000 min
Lab File: VV031263.D
Acq: 26 May 2023 22:13

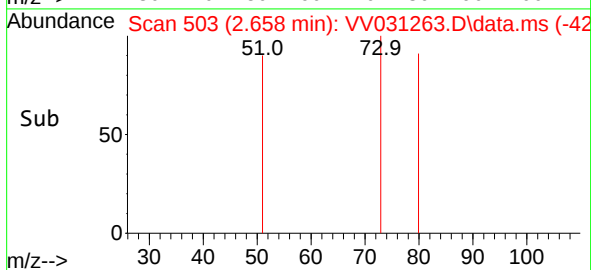
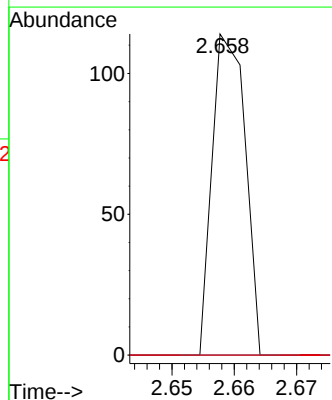
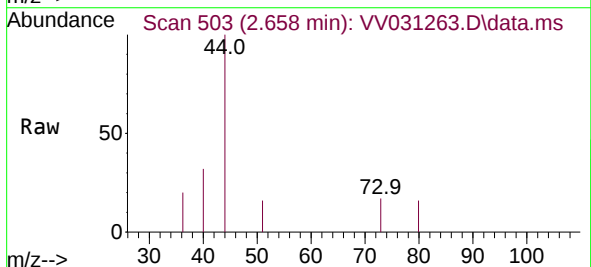
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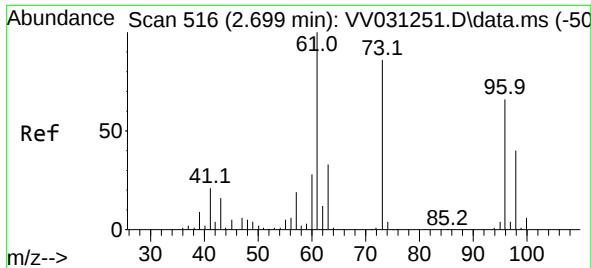
Tgt Ion:	84	Resp:	4035
Ion	Ratio	Lower	Upper
84	100		
86	50.2	46.8	86.8
49	126.3	98.8	183.4



#17
Methyl tert-butyl Ether
Concen: 1.679 ug/L
RT: 2.658 min Scan# 503
Delta R.T. -0.055 min
Lab File: VV031263.D
Acq: 26 May 2023 22:13

Tgt Ion:	73	Resp:	42
Ion	Ratio	Lower	Upper
73	100		
43	50.0	17.0	25.6#
57	0.0	19.5	29.3#

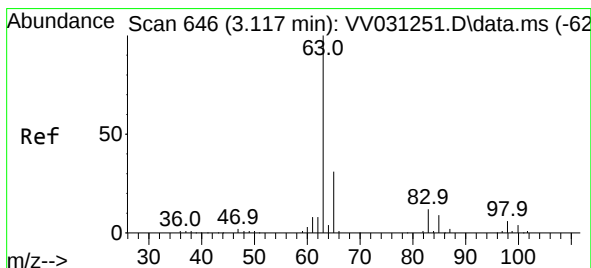
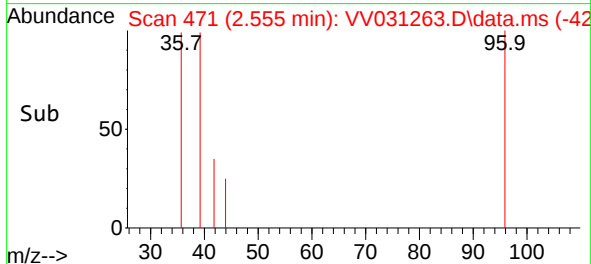
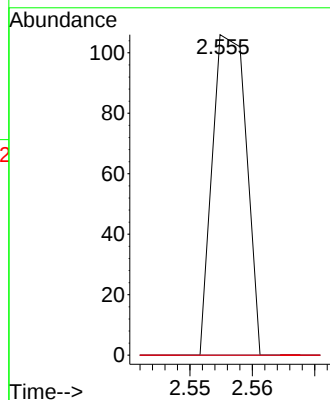
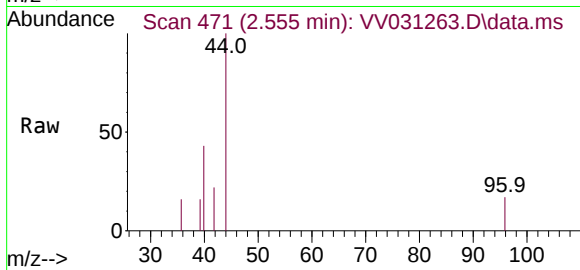




#18
trans-1,2-Dichloroethene
Concen: 3.955 ug/L
RT: 2.555 min Scan# 41
Delta R.T. -0.145 min
Lab File: VV031263.D
Acq: 26 May 2023 22:13

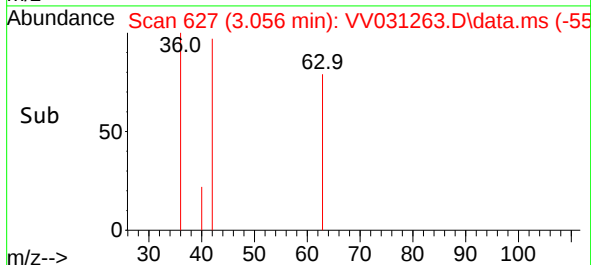
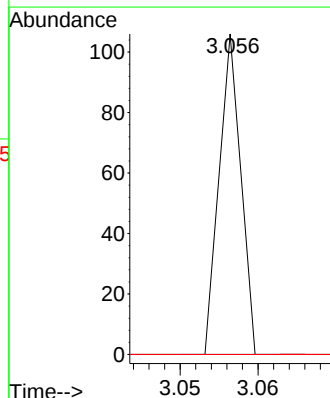
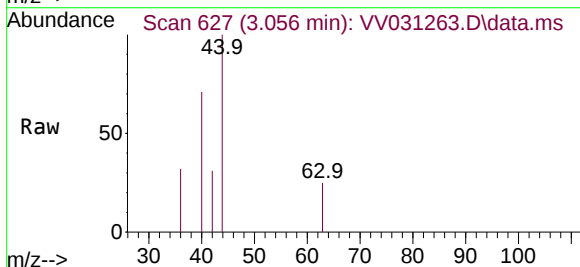
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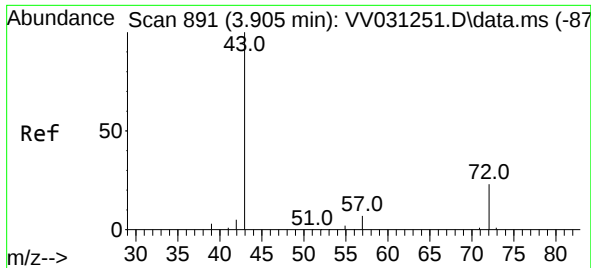
Tgt Ion: 96 Resp: 40
Ion Ratio Lower Upper
96 100
61 0.0 115.0 213.6#
98 0.0 44.4 82.5#



#19
1,1-Dichloroethane
Concen: 0.802 ug/L
RT: 3.056 min Scan# 627
Delta R.T. -0.061 min
Lab File: VV031263.D
Acq: 26 May 2023 22:13

Tgt Ion: 63 Resp: 20
Ion Ratio Lower Upper
63 100
65 0.0 22.4 41.6#
83 0.0 9.0 16.6#

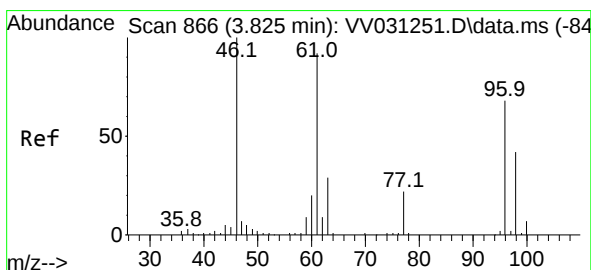
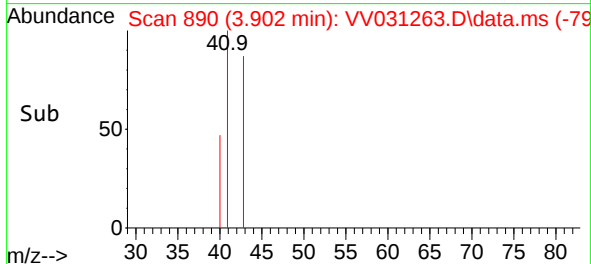
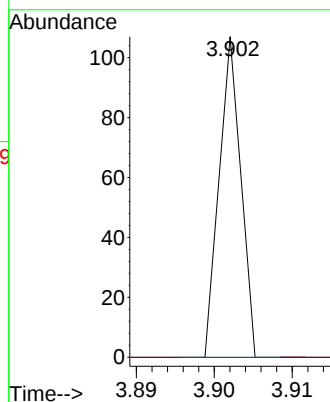
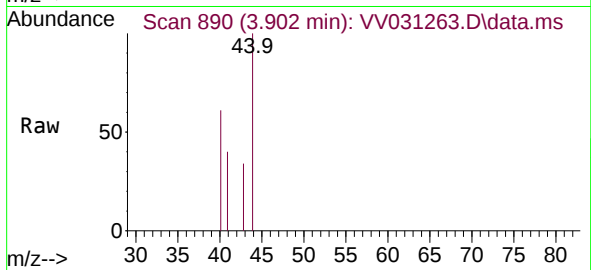




#21
2-Butanone
Concen: 6.612 ug/L
RT: 3.902 min Scan# 891
Delta R.T. -0.003 min
Lab File: VV031263.D
Acq: 26 May 2023 22:13

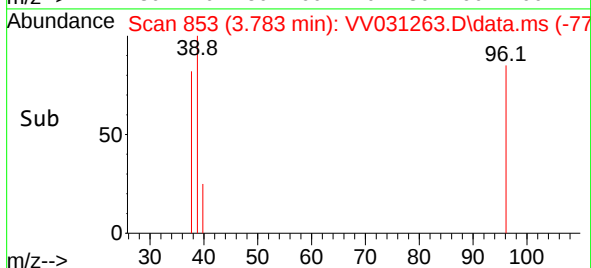
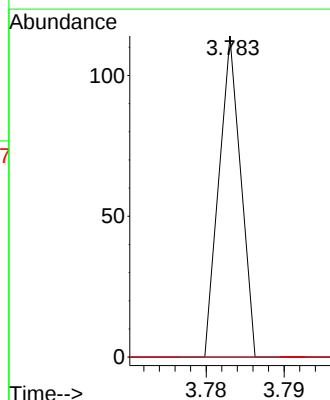
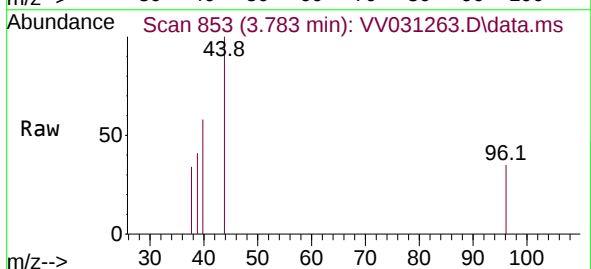
Instrument :
MSVOA_V
ClientSampleId :
VIBLK297

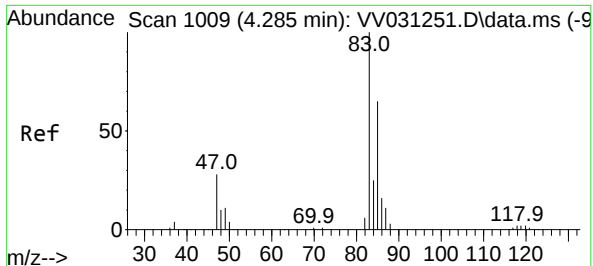
Tgt Ion: 43 Resp: 21
Ion Ratio Lower Upper
43 100
72 0.0 10.3 30.9#



#22
cis-1,2-Dichloroethene
Concen: 1.893 ug/L
RT: 3.783 min Scan# 853
Delta R.T. -0.042 min
Lab File: VV031263.D
Acq: 26 May 2023 22:13

Tgt Ion: 96 Resp: 22
Ion Ratio Lower Upper
96 100
61 0.0 98.2 182.4#
98 0.0 42.8 79.6#





#25

Chloroform

Concen: 27.950 ug/L

RT: 4.294 min Scan# 11

Delta R.T. 0.010 min

Lab File: VV031263.D

Acq: 26 May 2023 22:13

Instrument :

MSVOA_V

ClientSampleId :

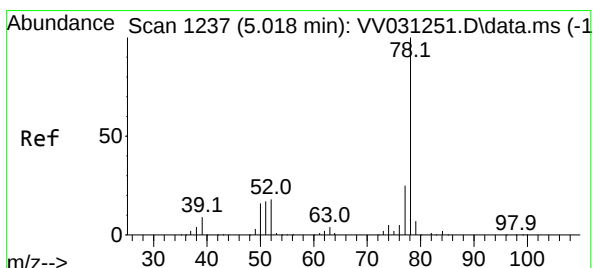
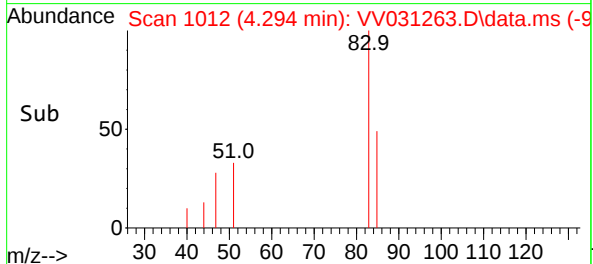
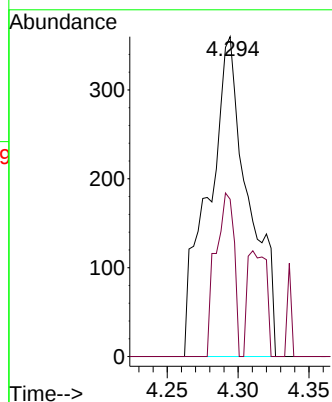
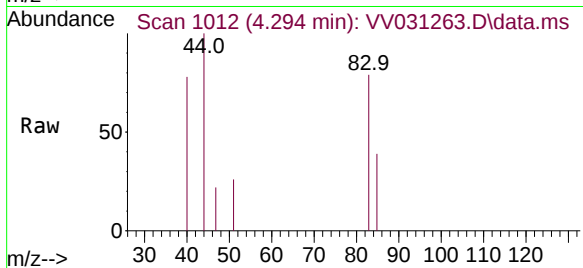
VIBLK297

Tgt Ion: 83 Resp: 713

Ion Ratio Lower Upper

83 100

85 49.2 43.4 80.6



#33

Benzene

Concen: 0.203 ug/L

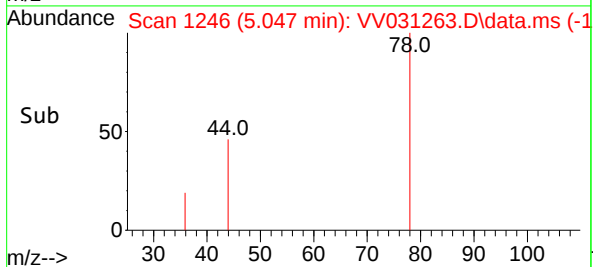
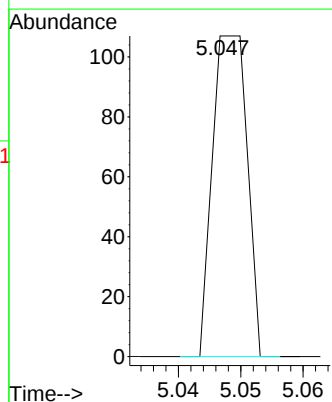
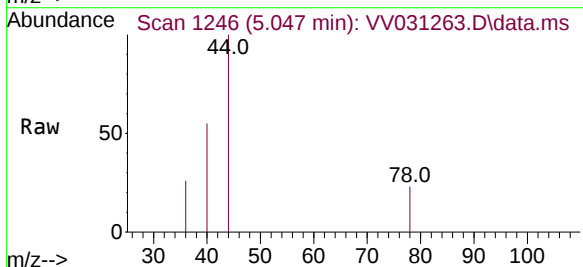
RT: 5.047 min Scan# 1246

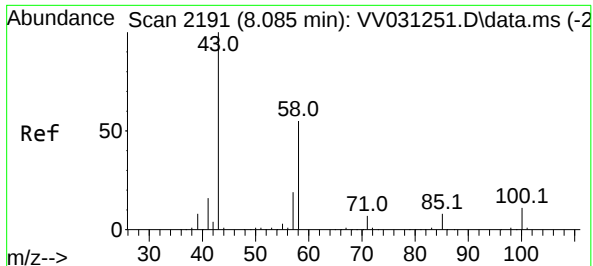
Delta R.T. 0.029 min

Lab File: VV031263.D

Acq: 26 May 2023 22:13

Tgt Ion: 78 Resp: 41





#48

2-Hexanone

Concen: 3.962 ug/L

RT: 8.095 min Scan# 2191

Delta R.T. 0.010 min

Lab File: VV031263.D

Acq: 26 May 2023 22:13

Instrument :

MSVOA_V

ClientSampleId :

VIBLK297

Tgt Ion: 43 Resp: 89

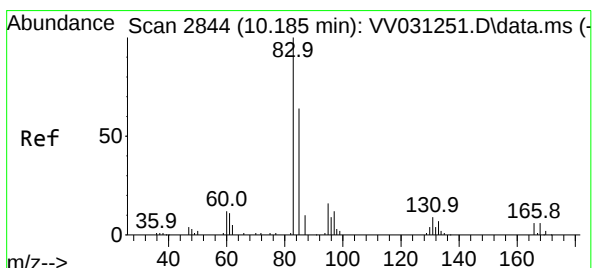
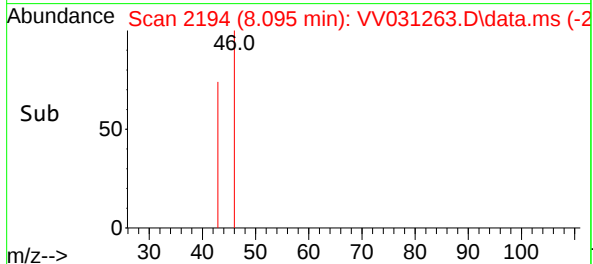
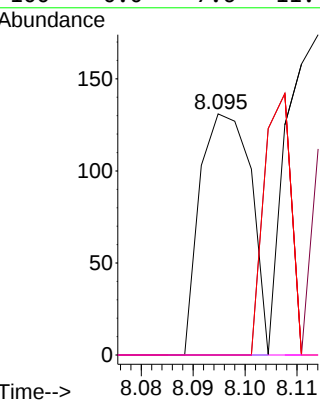
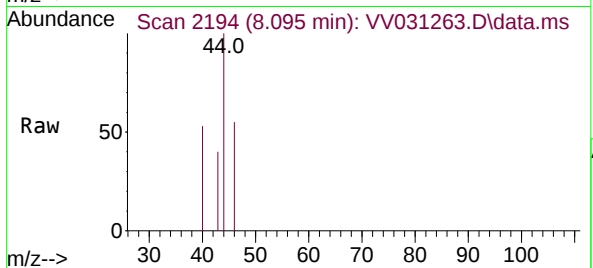
Ion Ratio Lower Upper

43 100

58 57.3 41.4 62.0

57 57.3 14.1 21.1#

100 0.0 7.6 11.4#



#57

1,1,2,2-Tetrachloroethane

Concen: 0.488 ug/L

RT: 10.011 min Scan# 2790

Delta R.T. -0.174 min

Lab File: VV031263.D

Acq: 26 May 2023 22:13

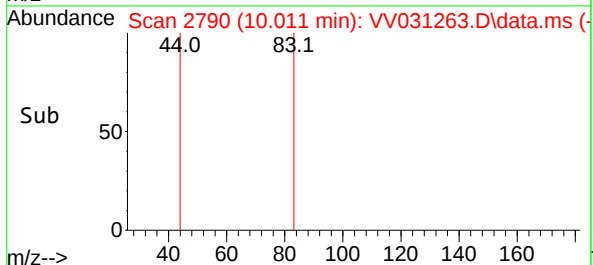
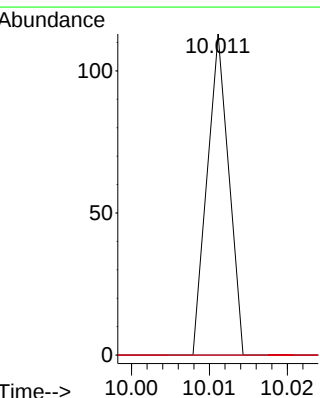
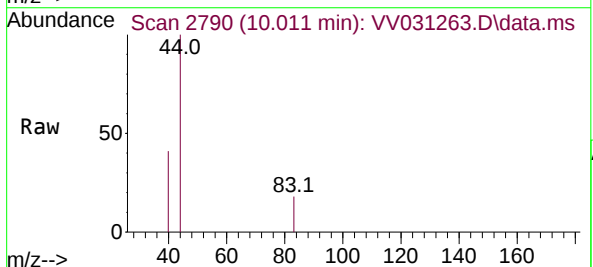
Tgt Ion: 83 Resp: 22

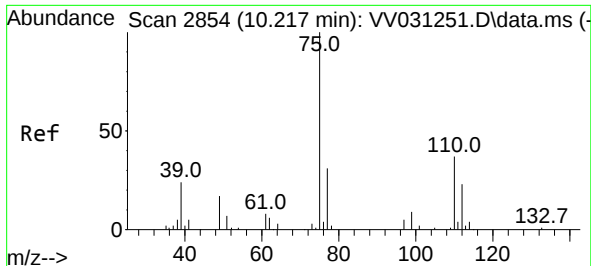
Ion Ratio Lower Upper

83 100

85 0.0 43.0 80.0#

131 0.0 7.6 11.4#

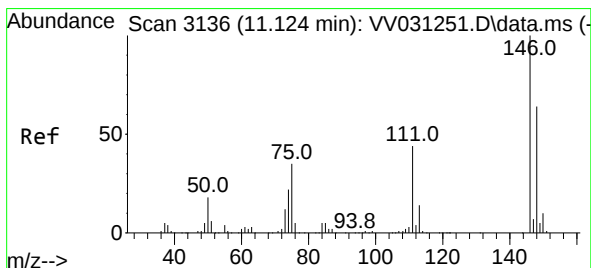
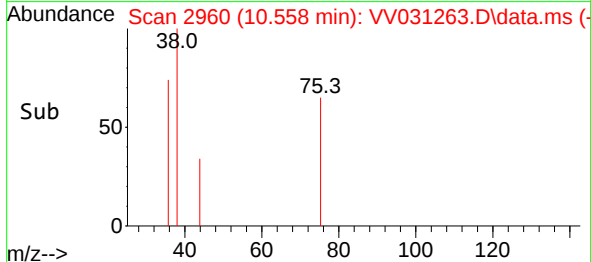
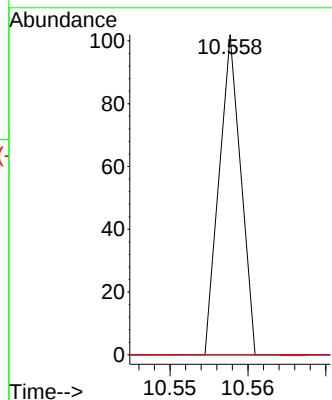
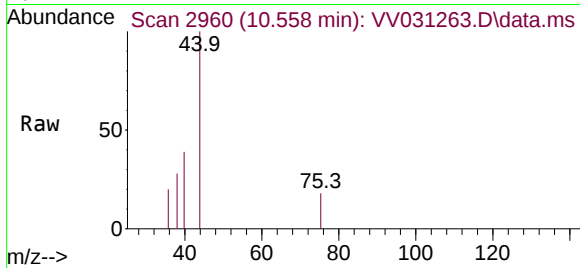




#61
1,2,3-Trichloropropane
Concen: 0.166 ug/L
RT: 10.558 min Scan# 2960
Delta R.T. 0.341 min
Lab File: VV031263.D
Acq: 26 May 2023 22:13

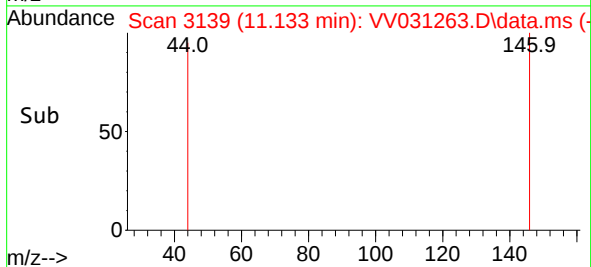
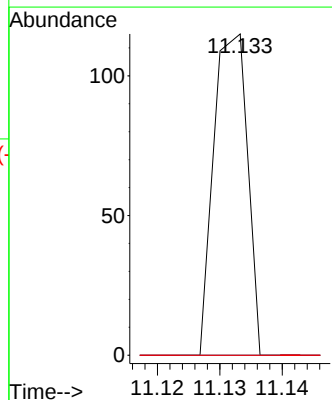
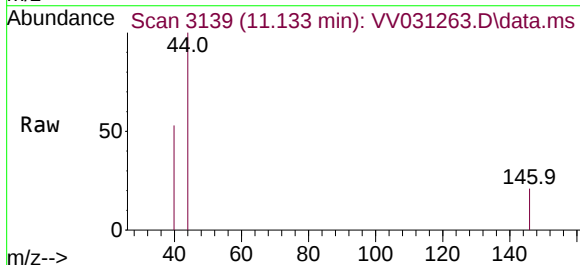
Instrument :
MSVOA_V
ClientSampleId :
VIBLK297

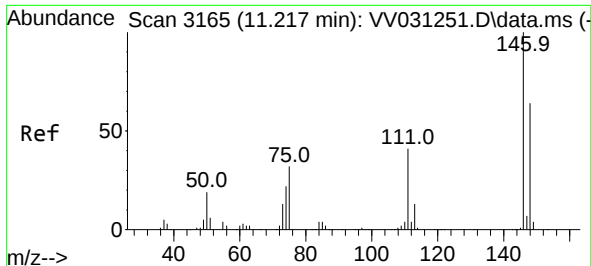
Tgt Ion: 75 Resp: 20
Ion Ratio Lower Upper
75 100
77 95.0 26.6 40.0#
110 0.0 29.8 44.8#



#64
1,3-Dichlorobenzene
Concen: 0.113 ug/L
RT: 11.133 min Scan# 3139
Delta R.T. 0.010 min
Lab File: VV031263.D
Acq: 26 May 2023 22:13

Tgt Ion: 146 Resp: 43
Ion Ratio Lower Upper
146 100
111 0.0 29.5 54.9#
148 0.0 44.6 82.8#

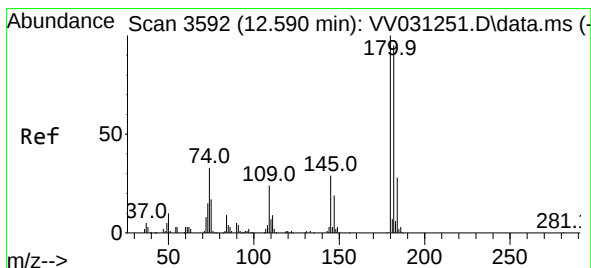
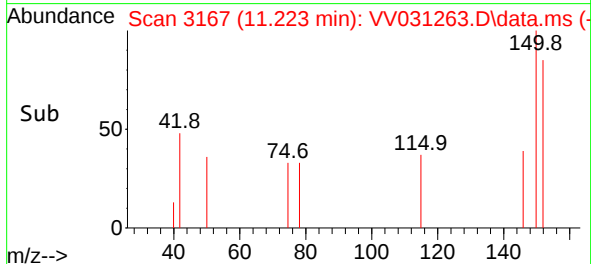
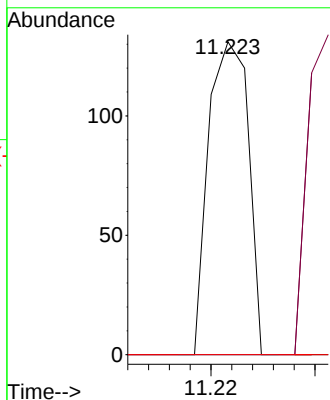
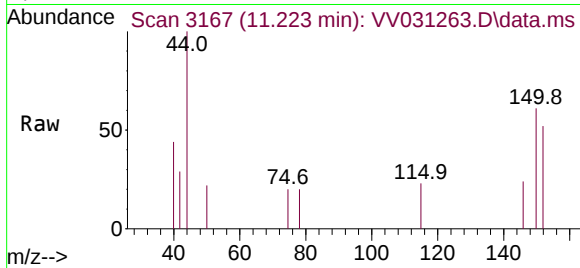




#65
1,4-Dichlorobenzene
Concen: 0.177 ug/L
RT: 11.223 min Scan# 3167
Delta R.T. 0.007 min
Lab File: VV031263.D
Acq: 26 May 2023 22:13

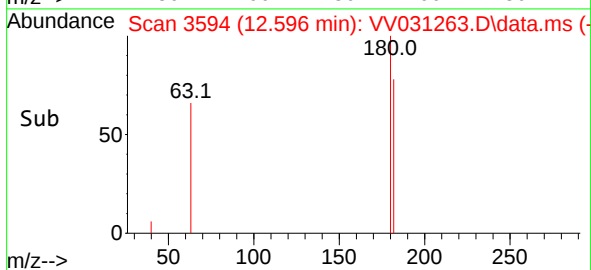
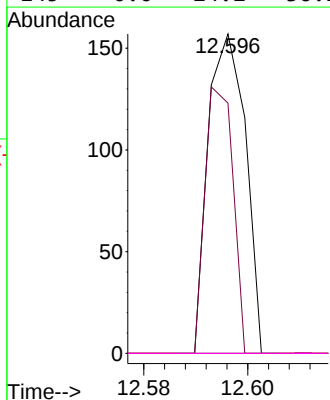
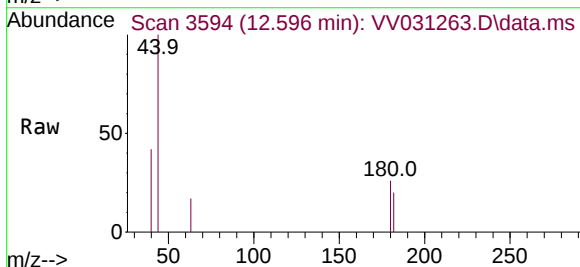
Instrument :
MSVOA_V
ClientSampleId :
VIBLK297

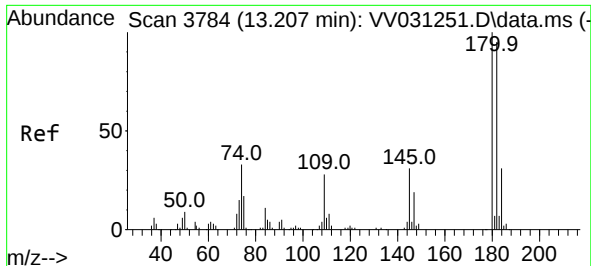
Tgt Ion:	146	Resp:	69
Ion	Ratio	Lower	Upper
146	100		
111	0.0	30.4	56.5#
148	0.0	44.9	83.3#



#69
1,3,5-Trichlorobenzene
Concen: 0.253 ug/L
RT: 12.596 min Scan# 3594
Delta R.T. 0.006 min
Lab File: VV031263.D
Acq: 26 May 2023 22:13

Tgt Ion:	180	Resp:	78
Ion	Ratio	Lower	Upper
180	100		
182	62.8	76.6	114.8#
184	0.0	24.9	37.3#
145	0.0	24.2	36.2#

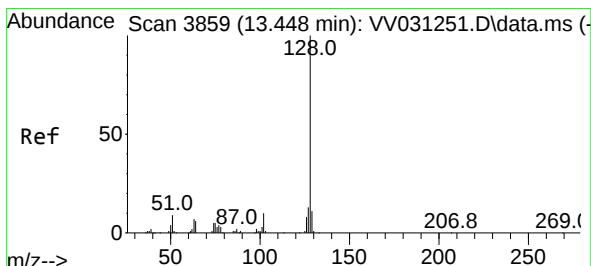
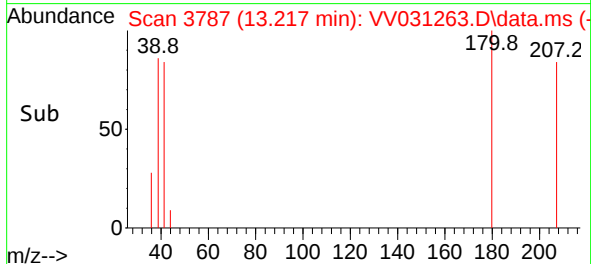
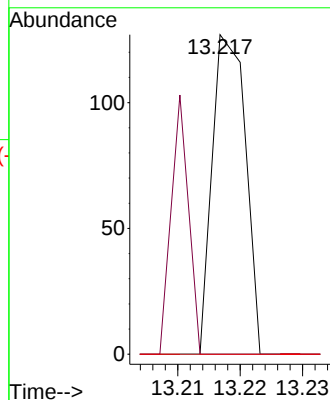
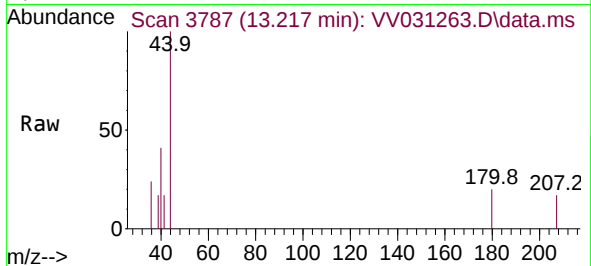




#70
1,2,4-trichlorobenzene
Concen: 0.191 ug/L
RT: 13.217 min Scan# 31
Delta R.T. 0.010 min
Lab File: VV031263.D
Acq: 26 May 2023 22:13

Instrument :
MSVOA_V
ClientSampleId :
VIBLK297

Tgt Ion:180 Resp: 47
Ion Ratio Lower Upper
180 100
182 42.6 74.8 112.2#
145 0.0 24.1 36.1#



#71
Naphthalene
Concen: 0.181 ug/L
RT: 13.493 min Scan# 3873
Delta R.T. 0.045 min
Lab File: VV031263.D
Acq: 26 May 2023 22:13

Tgt Ion:128 Resp: 66
Ion Ratio Lower Upper
128 100
129 0.0 9.0 13.6#
127 0.0 11.5 17.3#

