

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052324\
 Data File : VW028703.D
 Acq On : 23 May 2024 13:30
 Operator : SY/MD
 Sample : VIBLK448
 Misc : 5.06g/10mL/MSVOA_W/SOIL/C
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: May 24 00:18:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050224SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri May 24 00:17:02 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	6279	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	4918	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.562	152	1550	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.357	65	2529	21.210	ug/L	-0.01
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.840%
7) Chloroethane-d5	2.905	69	2442	26.748	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	107.000%
11) 1,1-Dichloroethene-d2	4.033	65	1121	22.503	ug/L	0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.000%
21) 2-Butanone-d5	7.069	46	90	2.893	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	5.780%#
24) Chloroform-d	7.654	84	5160	26.300	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	105.200%
26) 1,2-Dichloroethane-d4	8.307	65	2677	23.833	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.320%
32) Benzene-d6	8.270	84	9011	27.462	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	109.840%
36) 1,2-Dichloropropane-d6	9.276	67	3159	31.994	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	127.960%#
41) Toluene-d8	10.325	98	6262	21.550	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	86.200%
43) trans-1,3-Dichloroprop...	10.587	79	686	17.271	ug/L	0.01
Spiked Amount	25.000	Range	30 - 135	Recovery	=	69.080%
47) 2-Hexanone-d5	10.806	63	44	2.584	ug/L	-0.12
Spiked Amount	50.000	Range	20 - 135	Recovery	=	5.160%#
56) 1,1,2,2-Tetrachloroeth...	12.690	84	2027	24.482	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.920%
66) 1,2-Dichlorobenzene-d4	13.848	152	1502	25.424	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.680%
Target Compounds						
					Qvalue	
3) Chloromethane	2.253	50	127	1.123	ug/L	90
8) Chloroethane	2.954	64	95	1.309	ug/L #	44
10) 1,1,2-Trichloro-1,2,2-...	3.923	101	40	0.415	ug/L #	24
13) Acetone	4.179	43	150	5.301	ug/L	75
15) Methyl Acetate	4.667	43	75	1.523	ug/L #	54
16) Methylene chloride	4.923	84	929	9.567	ug/L	92
17) trans-1,2-Dichloroethene	5.374	96	62	0.689	ug/L #	1
20) cis-1,2-Dichloroethene	6.953	96	41	0.435	ug/L #	1
22) 2-Butanone	7.148	43	84	2.313	ug/L #	51
34) Trichloroethene	8.849	95	201	2.351	ug/L #	9
35) Methylcyclohexane	9.276	83	863	5.775	ug/L #	17
37) 1,2-Dichloropropane	9.319	63	51	0.614	ug/L #	87
39) cis-1,3-Dichloropropene	9.916	75	50	0.420	ug/L #	43
40) 4-Methyl-2-pentanone	10.215	43	51	0.902	ug/L #	27
48) 2-Hexanone	10.971	43	96	2.404	ug/L #	40
61) 1,2,3-Trichloropropane	12.611	75	24	0.641	ug/L #	39
64) 1,3-Dichlorobenzene	13.580	146	84	0.859	ug/L #	54
65) 1,4-Dichlorobenzene	13.580	146	84	0.840	ug/L #	47
67) 1,2-Dichlorobenzene	13.580	146	84	0.959	ug/L #	52

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QLast Update : Fri May 24 00:17:02 2024
Response via : Initial Calibration

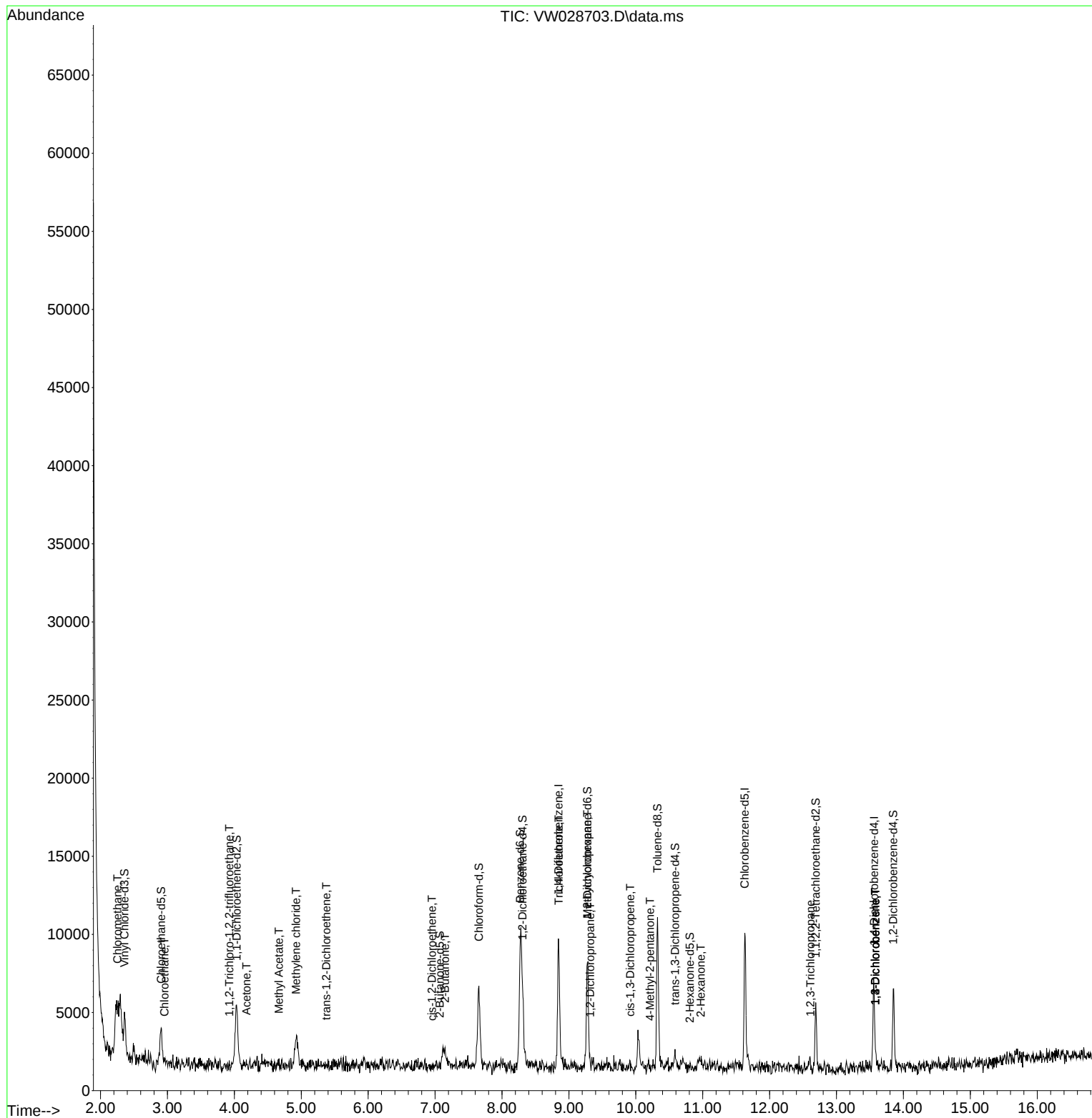
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

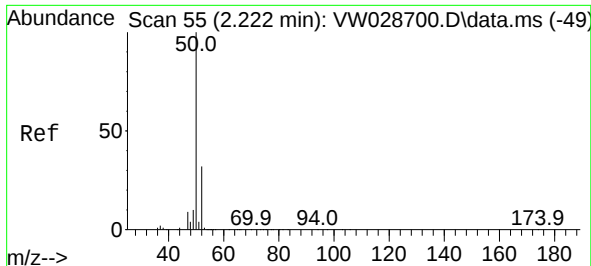
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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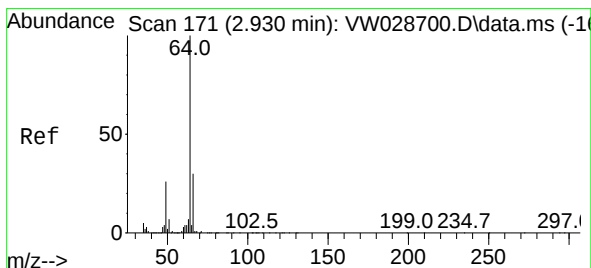
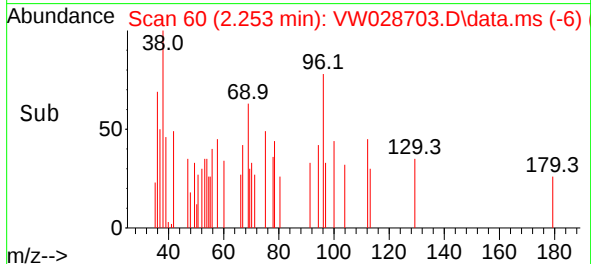
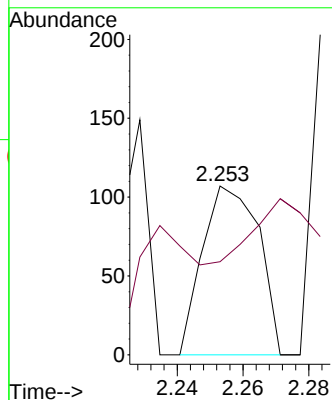
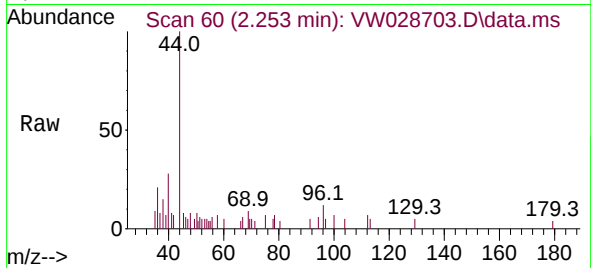




#3
Chloromethane
Concen: 1.123 ug/L
RT: 2.253 min Scan# 60
Delta R.T. 0.031 min
Lab File: VW028703.D
Acq: 23 May 2024 13:30

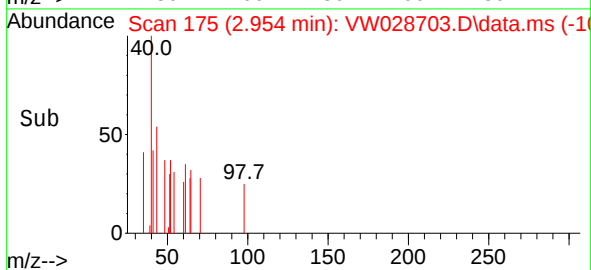
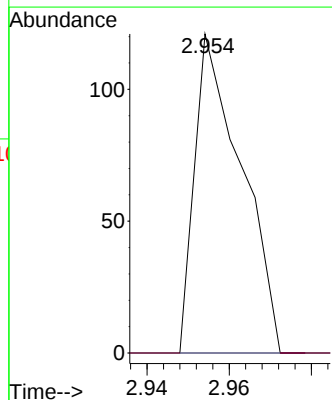
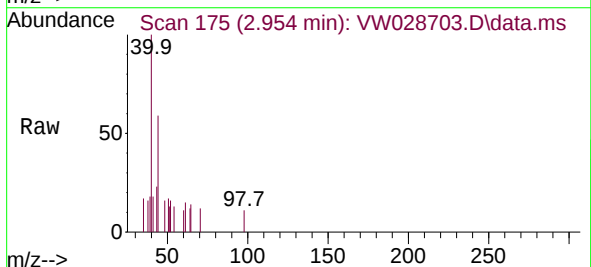
Instrument :
MSVOA_W
ClientSampleId :

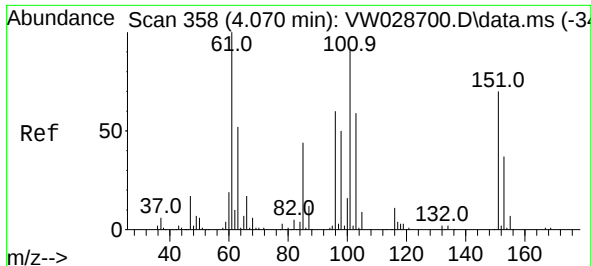
Tgt Ion: 50 Resp: 127
Ion Ratio Lower Upper
50 100
52 37.1 22.0 41.0



#8
Chloroethane
Concen: 1.309 ug/L
RT: 2.954 min Scan# 175
Delta R.T. 0.024 min
Lab File: VW028703.D
Acq: 23 May 2024 13:30

Tgt Ion: 64 Resp: 95
Ion Ratio Lower Upper
64 100
66 0.0 21.7 40.3#





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.415 ug/L

RT: 3.923 min Scan# 3

Delta R.T. -0.146 min

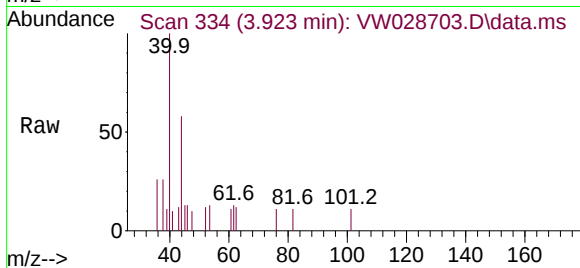
Lab File: VW028703.D

Acq: 23 May 2024 13:30

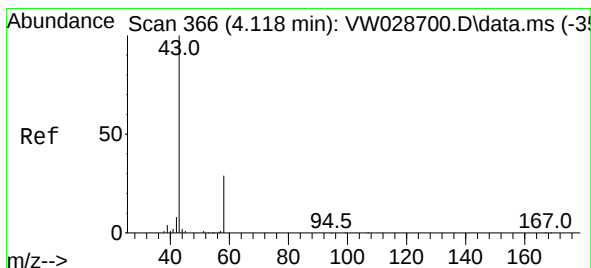
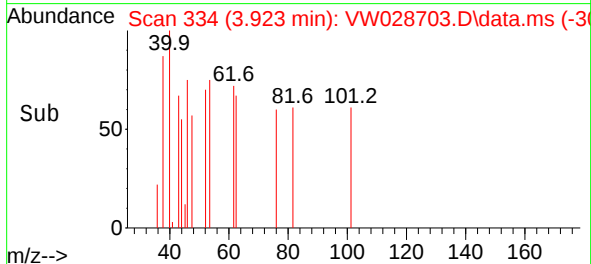
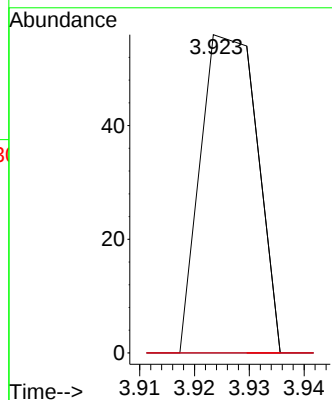
Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:101	Resp:	40
Ion	Ratio	Lower Upper
101	100	
85	0.0	35.8 53.8#
151	0.0	49.6 74.4#



#13

Acetone

Concen: 5.301 ug/L

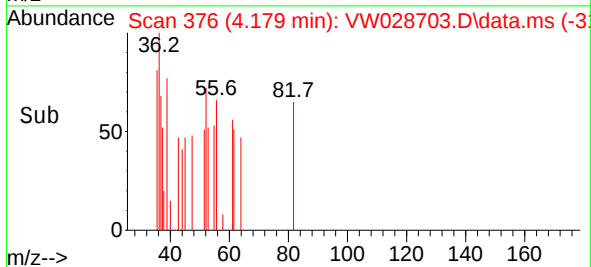
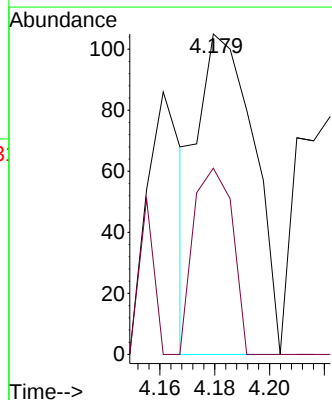
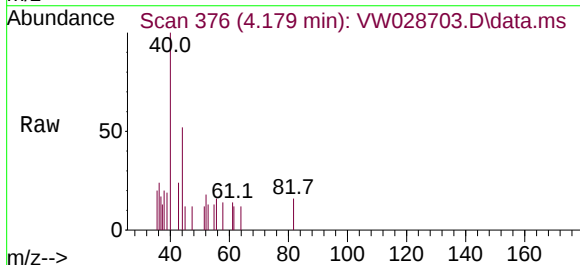
RT: 4.179 min Scan# 376

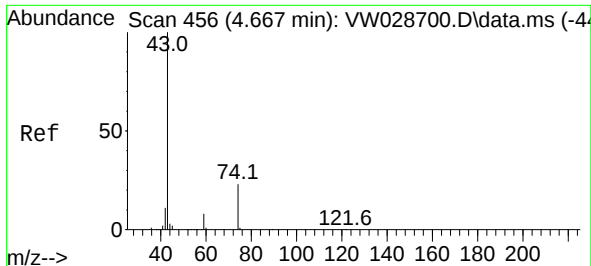
Delta R.T. 0.061 min

Lab File: VW028703.D

Acq: 23 May 2024 13:30

Tgt Ion: 43	Resp:	150
Ion	Ratio	Lower Upper
43	100	
58	40.0	0.0 54.4





#15

Methyl Acetate

Concen: 1.523 ug/L

RT: 4.667 min Scan# 4

Delta R.T. 0.000 min

Lab File: VW028703.D

Acq: 23 May 2024 13:30

Instrument :

MSVOA_W

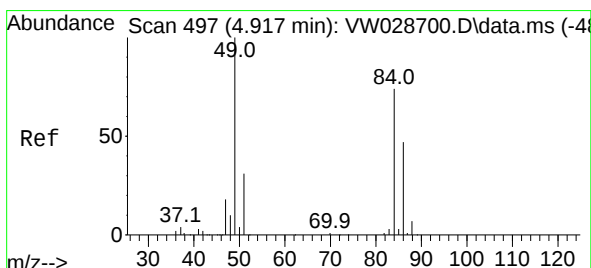
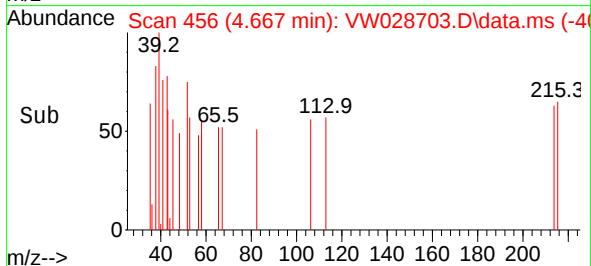
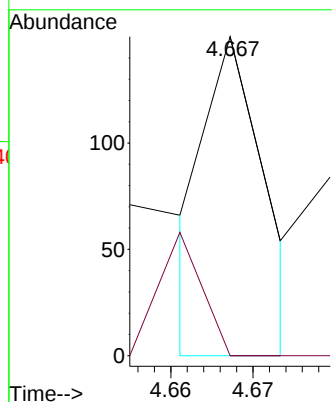
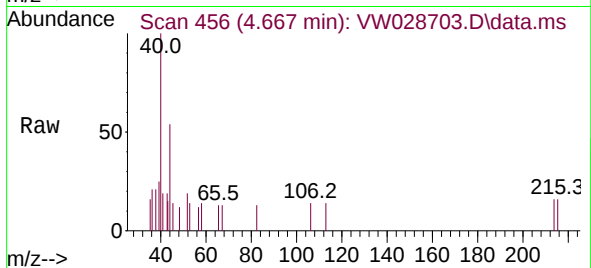
ClientSampleId :

Tgt Ion: 43 Resp: 75

Ion Ratio Lower Upper

43 100

74 0.0 17.6 26.4#



#16

Methylene chloride

Concen: 9.567 ug/L

RT: 4.923 min Scan# 498

Delta R.T. 0.006 min

Lab File: VW028703.D

Acq: 23 May 2024 13:30

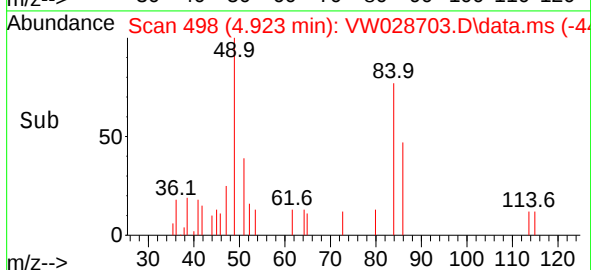
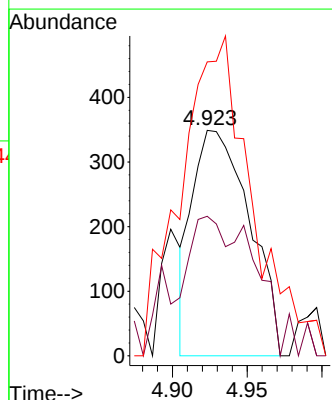
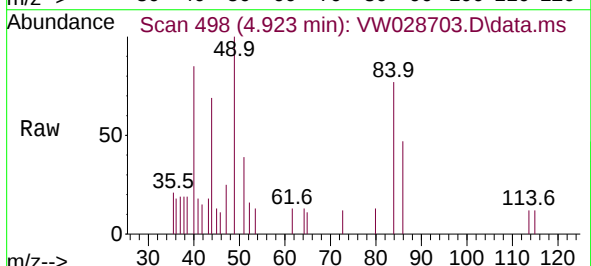
Tgt Ion: 84 Resp: 929

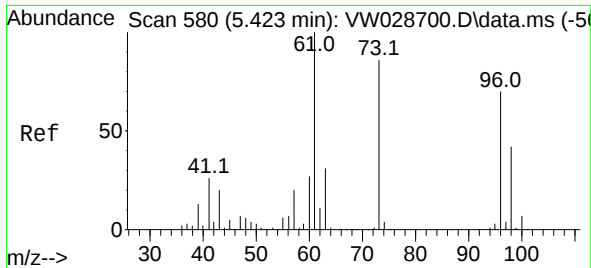
Ion Ratio Lower Upper

84 100

86 61.9 44.4 82.4

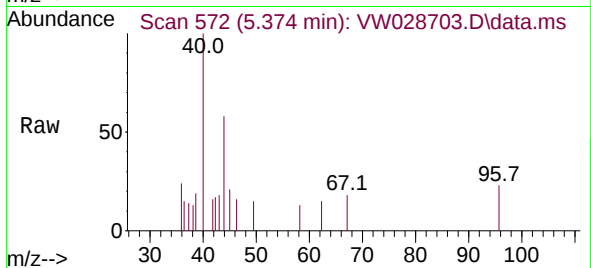
49 130.4 100.2 186.2



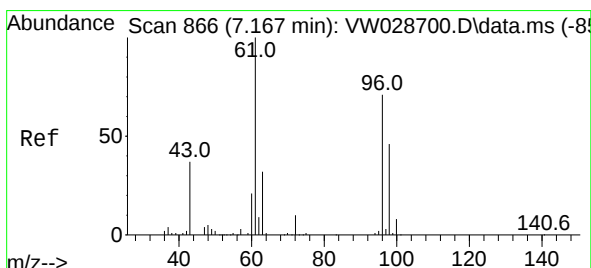
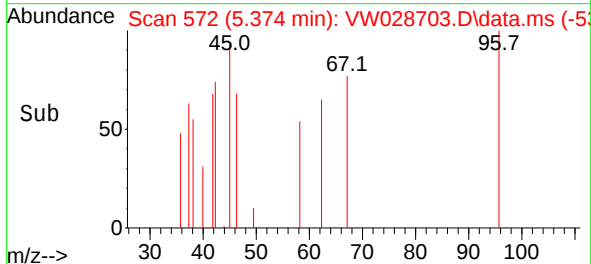
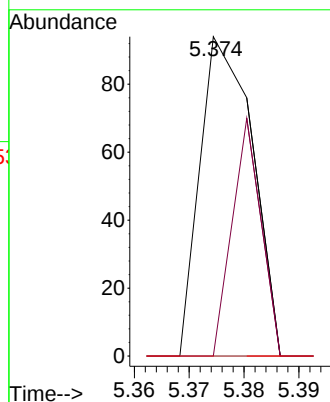


#17
trans-1,2-Dichloroethene
Concen: 0.689 ug/L
RT: 5.374 min Scan# 51
Delta R.T. -0.049 min
Lab File: VW028703.D
Acq: 23 May 2024 13:30

Instrument :
MSVOA_W
ClientSampleId :

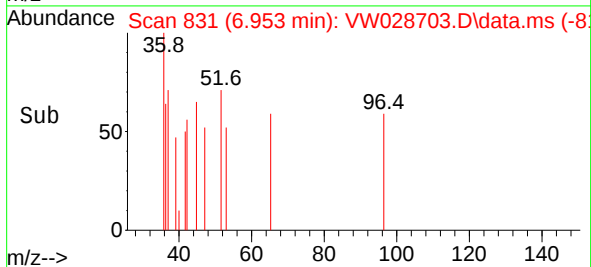
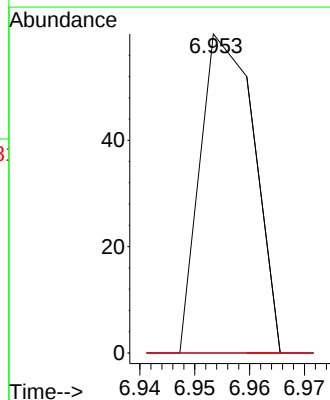
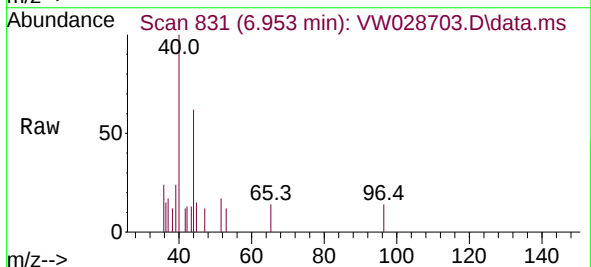


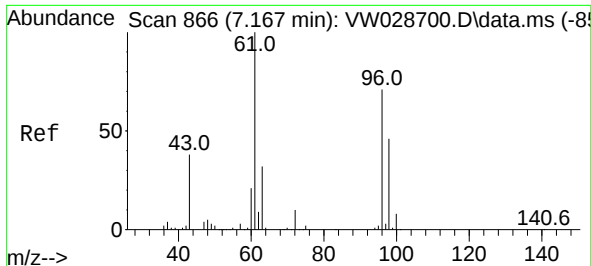
Tgt Ion: 96 Resp: 62
Ion Ratio Lower Upper
96 100
61 0.0 109.0 202.4#
98 0.0 44.2 82.0#



#20
cis-1,2-Dichloroethene
Concen: 0.435 ug/L
RT: 6.953 min Scan# 831
Delta R.T. -0.213 min
Lab File: VW028703.D
Acq: 23 May 2024 13:30

Tgt Ion: 96 Resp: 41
Ion Ratio Lower Upper
96 100
61 0.0 102.8 191.0#
98 0.0 44.3 82.3#

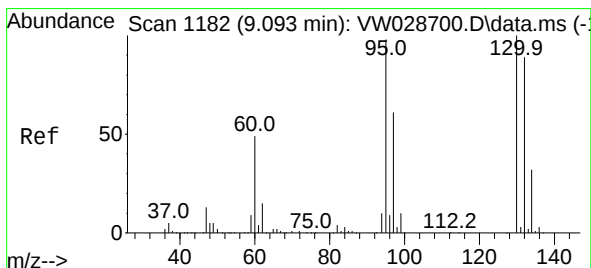
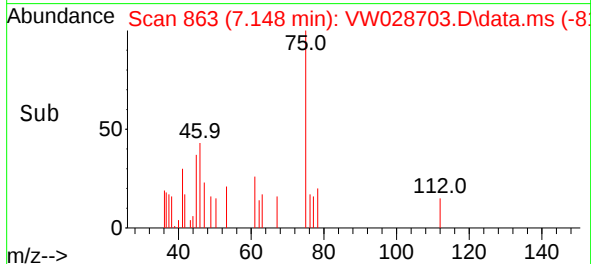
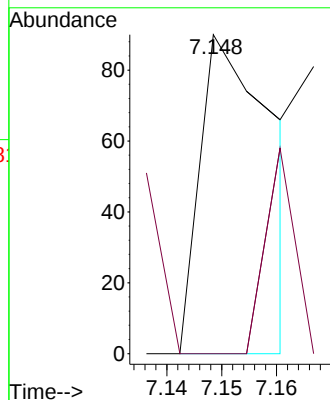
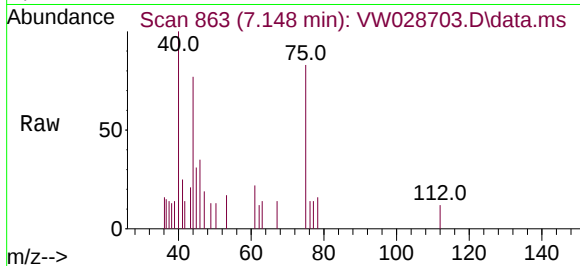




#22
2-Butanone
Concen: 2.313 ug/L
RT: 7.148 min Scan# 80
Delta R.T. -0.018 min
Lab File: VW028703.D
Acq: 23 May 2024 13:30

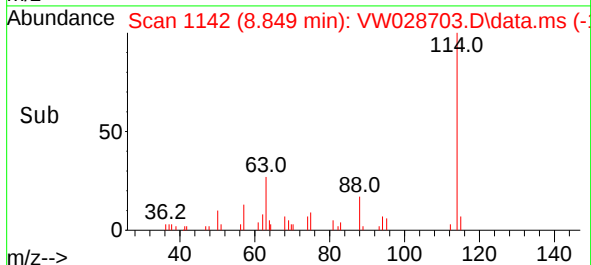
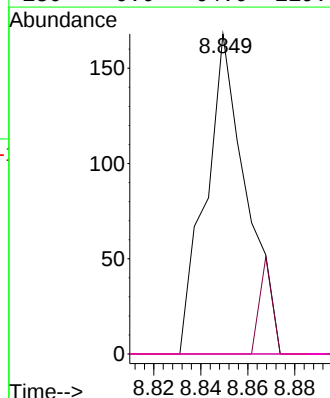
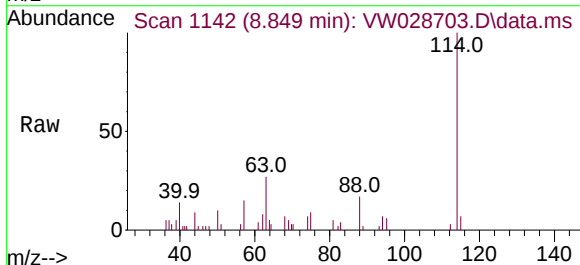
Instrument :
MSVOA_W
ClientSampleId :

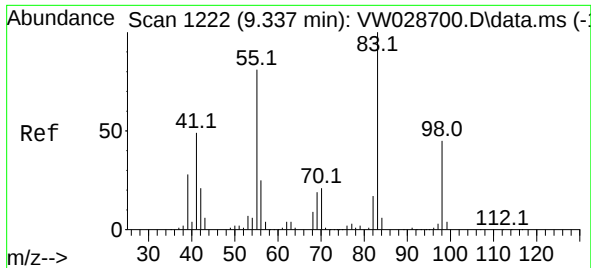
Tgt Ion: 43 Resp: 84
Ion Ratio Lower Upper
43 100
72 0.0 12.2 36.6#



#34
Trichloroethene
Concen: 2.351 ug/L
RT: 8.849 min Scan# 1142
Delta R.T. -0.244 min
Lab File: VW028703.D
Acq: 23 May 2024 13:30

Tgt Ion: 95 Resp: 201
Ion Ratio Lower Upper
95 100
97 0.0 44.9 83.3#
132 0.0 59.7 110.9#
130 0.0 64.0 119.0#





#35

Methylcyclohexane

Concen: 5.775 ug/L

RT: 9.276 min Scan# 1212

Delta R.T. -0.061 min

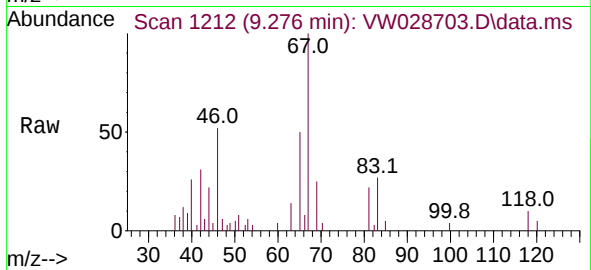
Lab File: VW028703.D

Acq: 23 May 2024 13:30

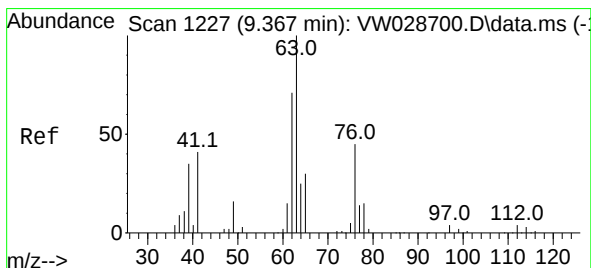
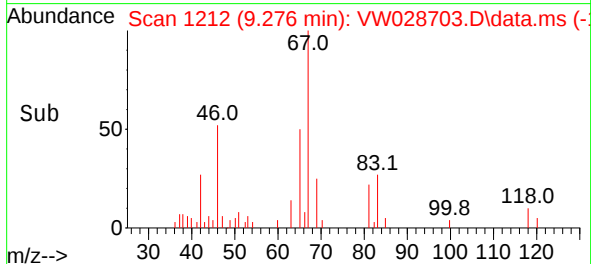
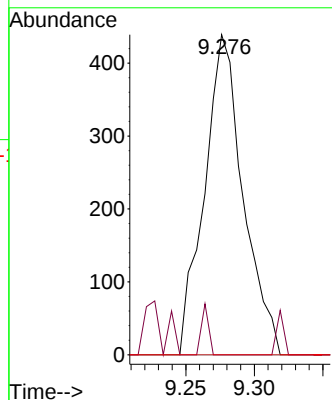
Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:	83	Resp:	863
Ion	Ratio	Lower	Upper
83	100		
55	2.5	66.9	100.3#
98	0.0	37.9	56.9#



#37

1,2-Dichloropropane

Concen: 0.614 ug/L

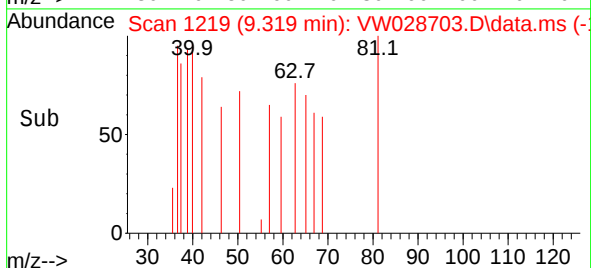
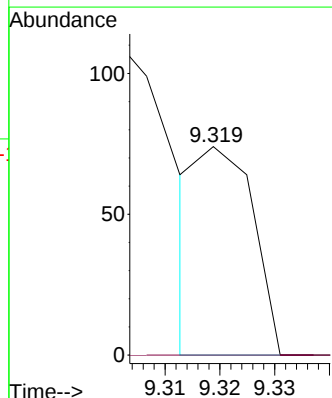
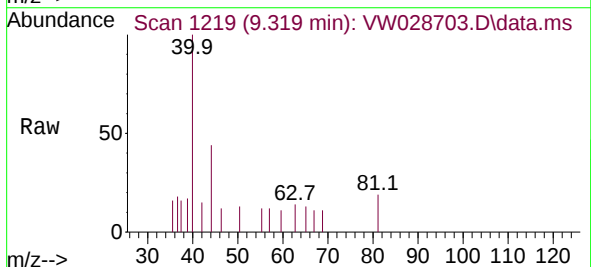
RT: 9.319 min Scan# 1219

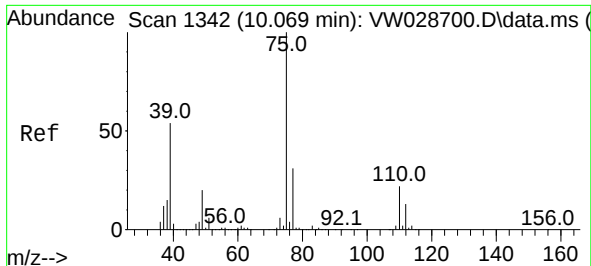
Delta R.T. -0.049 min

Lab File: VW028703.D

Acq: 23 May 2024 13:30

Tgt Ion:	63	Resp:	51
Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.5	5.3#





#39

cis-1,3-Dichloropropene

Concen: 0.420 ug/L

RT: 9.916 min Scan# 1317

Delta R.T. -0.152 min

Lab File: VW028703.D

Acq: 23 May 2024 13:30

Instrument :

MSVOA_W

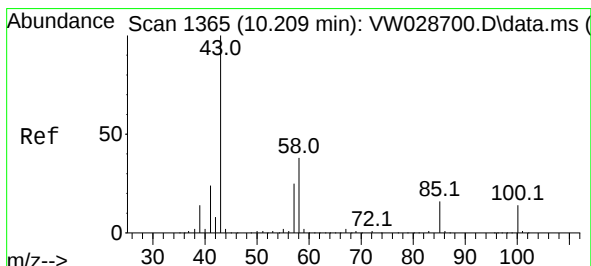
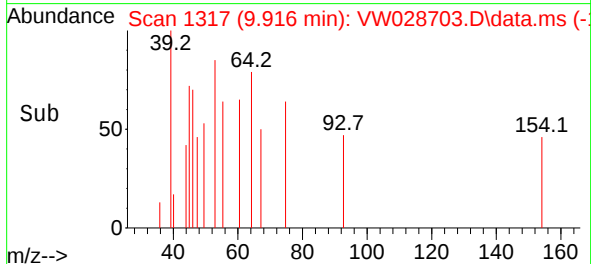
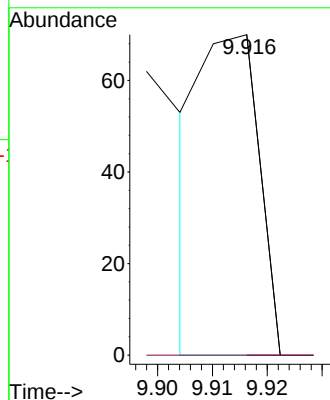
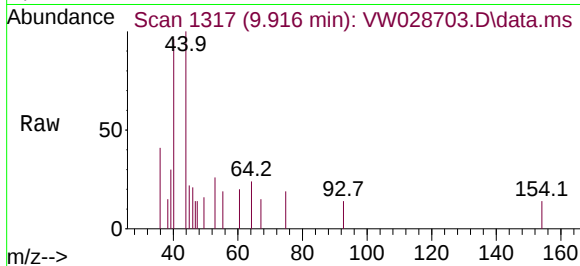
ClientSampleId :

Tgt Ion: 75 Resp: 50

Ion Ratio Lower Upper

75 100

77 0.0 21.8 40.6#



#40

4-Methyl-2-pentanone

Concen: 0.902 ug/L

RT: 10.215 min Scan# 1366

Delta R.T. 0.006 min

Lab File: VW028703.D

Acq: 23 May 2024 13:30

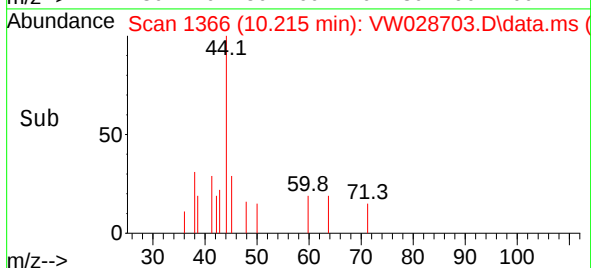
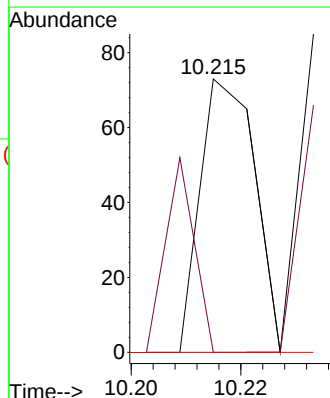
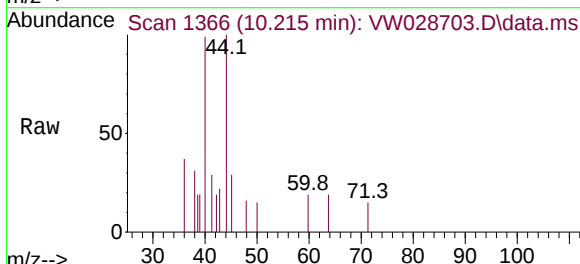
Tgt Ion: 43 Resp: 51

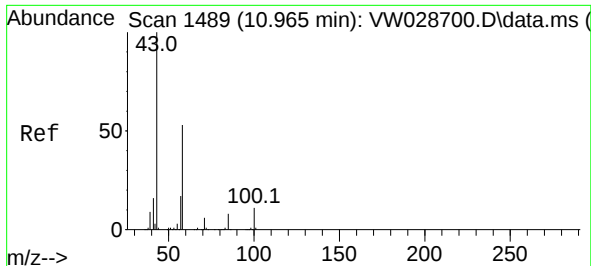
Ion Ratio Lower Upper

43 100

58 88.2 29.2 43.8#

100 0.0 11.0 16.4#





#48

2-Hexanone

Concen: 2.404 ug/L

RT: 10.971 min Scan# 1489

Delta R.T. 0.006 min

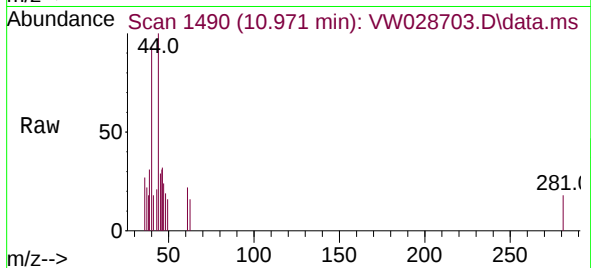
Lab File: VW028703.D

Acq: 23 May 2024 13:30

Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion: 43 Resp: 96

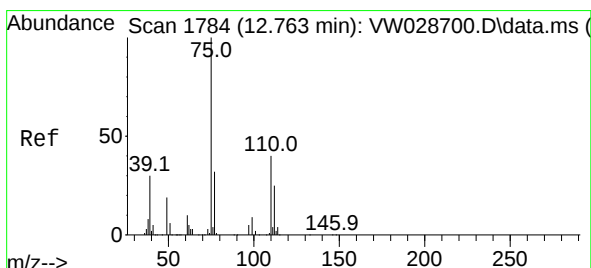
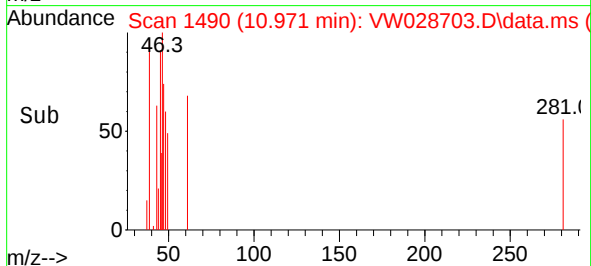
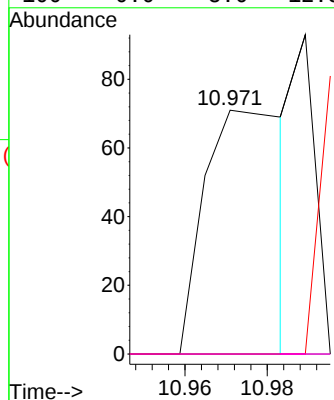
Ion Ratio Lower Upper

43 100

58 0.0 41.0 61.4#

57 0.0 14.8 22.2#

100 0.0 8.6 12.8#



#61

1,2,3-Trichloropropane

Concen: 0.641 ug/L

RT: 12.611 min Scan# 1759

Delta R.T. -0.152 min

Lab File: VW028703.D

Acq: 23 May 2024 13:30

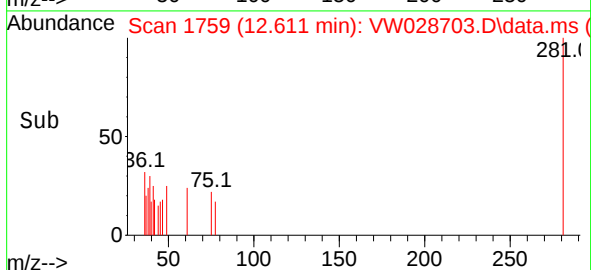
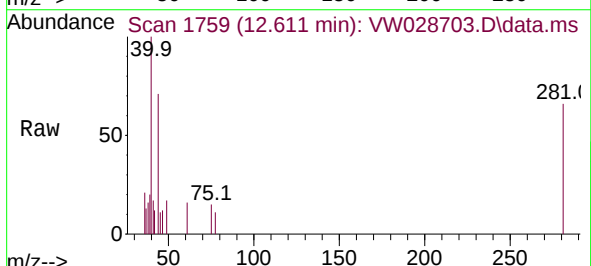
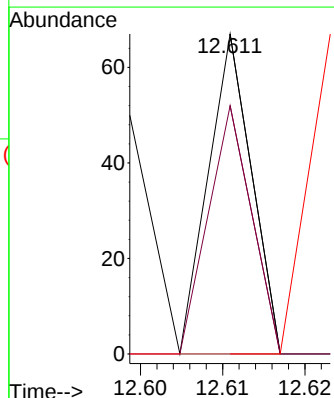
Tgt Ion: 75 Resp: 24

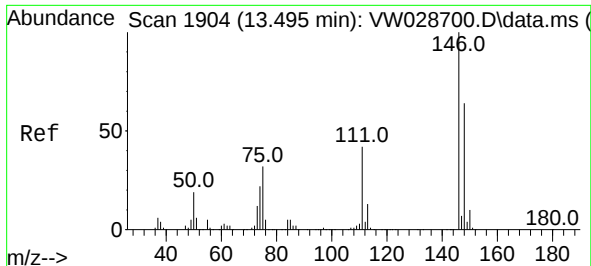
Ion Ratio Lower Upper

75 100

77 0.0 25.9 38.9#

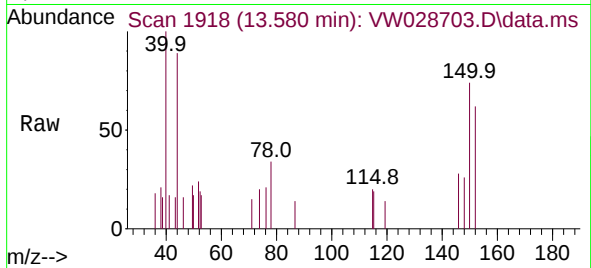
110 0.0 30.6 45.8#



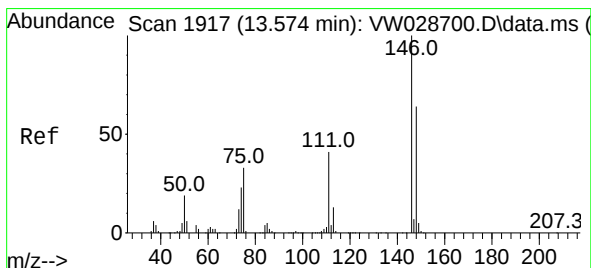
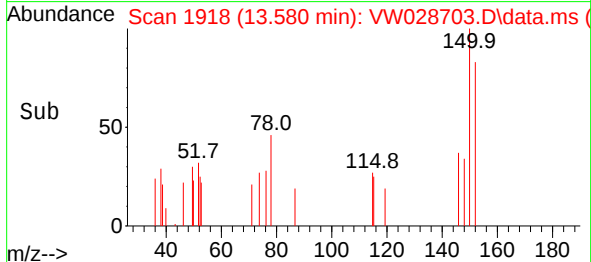
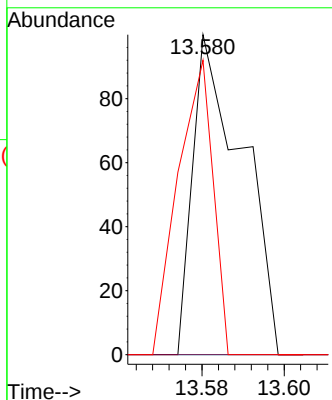


#64
1,3-Dichlorobenzene
Concen: 0.859 ug/L
RT: 13.580 min Scan# 1918
Delta R.T. 0.085 min
Lab File: VW028703.D
Acq: 23 May 2024 13:30

Instrument :
MSVOA_W
ClientSampleId :

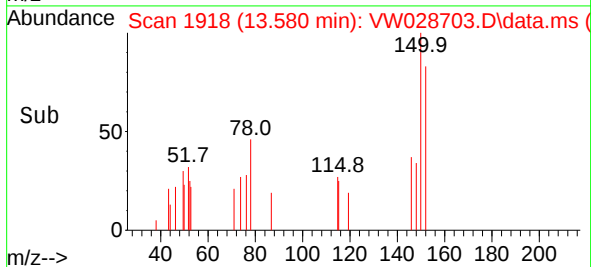
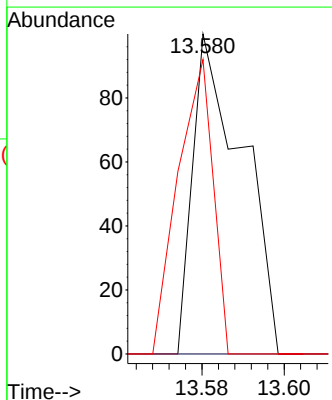
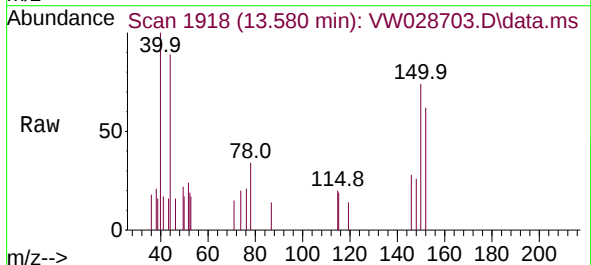


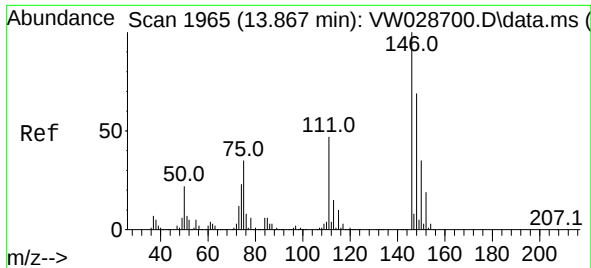
Tgt Ion:146 Resp: 84
Ion Ratio Lower Upper
146 100
111 0.0 30.7 57.1#
148 92.0 47.0 87.2#



#65
1,4-Dichlorobenzene
Concen: 0.840 ug/L
RT: 13.580 min Scan# 1918
Delta R.T. 0.006 min
Lab File: VW028703.D
Acq: 23 May 2024 13:30

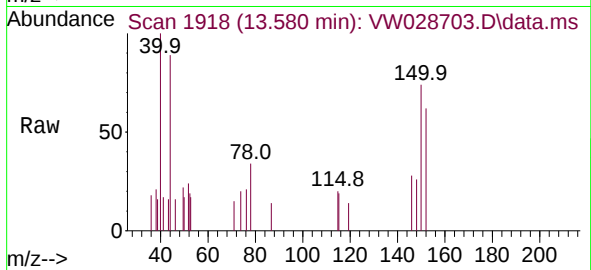
Tgt Ion:146 Resp: 84
Ion Ratio Lower Upper
146 100
111 0.0 29.1 54.1#
148 92.0 41.2 76.6#





#67
 1,2-Dichlorobenzene
 Concen: 0.959 ug/L
 RT: 13.580 min Scan# 11
 Delta R.T. -0.286 min
 Lab File: VW028703.D
 Acq: 23 May 2024 13:30

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion:146 Resp: 84
 Ion Ratio Lower Upper
 146 100
 111 0.0 34.7 52.1#
 148 92.0 51.8 77.8#

