

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW052824\
 Data File : VW028855.D
 Acq On : 29 May 2024 01:30
 Operator : SY/MD
 Sample : P2623-01
 Misc : 5.91g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: May 29 05:50:24 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050224SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed May 29 02:08:39 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	1391	25.000	ug/L	# 0.00
28) Chlorobenzene-d5	11.629	117	1285	25.000	ug/L	# 0.00
58) 1,4-Dichlorobenzene-d4	13.562	152	254	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.503	65	65	2.461	ug/L	0.14
Spiked Amount	25.000	Range	30 - 150	Recovery	=	9.840%#
7) Chloroethane-d5	2.899	69	340	16.811	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	67.240%
11) 1,1-Dichloroethene-d2	4.033	65	68	6.162	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	24.640%#
21) 2-Butanone-d5	7.069	46	39	5.659	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	11.320%#
24) Chloroform-d	7.660	84	1653	38.031	ug/L	0.01
Spiked Amount	25.000	Range	40 - 150	Recovery	=	152.120%#
26) 1,2-Dichloroethane-d4	8.307	65	1061	42.639	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	170.560%#
32) Benzene-d6	8.288	84	2232	26.034	ug/L	0.01
Spiked Amount	25.000	Range	20 - 135	Recovery	=	104.120%
36) 1,2-Dichloropropane-d6	9.270	67	1098	42.561	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	170.240%#
41) Toluene-d8	10.325	98	1361	17.926	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	71.720%
43) trans-1,3-Dichloroprop...	10.587	79	117	11.274	ug/L	0.01
Spiked Amount	25.000	Range	30 - 135	Recovery	=	45.080%
47) 2-Hexanone-d5	10.995	63	121	27.194	ug/L	0.07
Spiked Amount	50.000	Range	20 - 135	Recovery	=	54.380%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	545	25.193	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.760%
66) 1,2-Dichlorobenzene-d4	13.855	152	355	36.670	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	146.680%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.979	85	43	2.127	ug/L #	47
3) Chloromethane	2.229	50	128	5.111	ug/L #	43
5) Vinyl chloride	2.442	62	23	0.816	ug/L #	41
8) Chloroethane	2.911	64	44	2.736	ug/L #	44
10) 1,1,2-Trichloro-1,2,2-...	3.984	101	45	2.109	ug/L #	24
12) 1,1-Dichloroethene	4.192	96	62	3.239	ug/L #	1
13) Acetone	4.167	43	175	27.914	ug/L	96
14) Carbon disulfide	4.570	76	41	0.634	ug/L #	75
15) Methyl Acetate	4.667	43	64	5.868	ug/L #	54
16) Methylene chloride	4.923	84	151	7.019	ug/L #	21
18) Methyl tert-butyl Ether	5.386	73	22	0.748	ug/L #	1
20) cis-1,2-Dichloroethene	7.295	96	52	2.493	ug/L #	1
22) 2-Butanone	7.179	43	58	7.208	ug/L #	51
25) Chloroform	7.508	83	44	1.151	ug/L #	19
27) 1,2-Dichloroethane	8.612	62	44	1.583	ug/L #	76
29) Cyclohexane	7.941	56	41	1.119	ug/L #	18
35) Methylcyclohexane	9.282	83	135	3.458	ug/L #	73
37) 1,2-Dichloropropane	9.325	63	43	1.980	ug/L #	87
38) Bromodichloromethane	9.666	83	39	1.473	ug/L #	26

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Quant Title : SFAM01.0
QLast Update : Wed May 29 02:08:39 2024
Response via : Initial Calibration

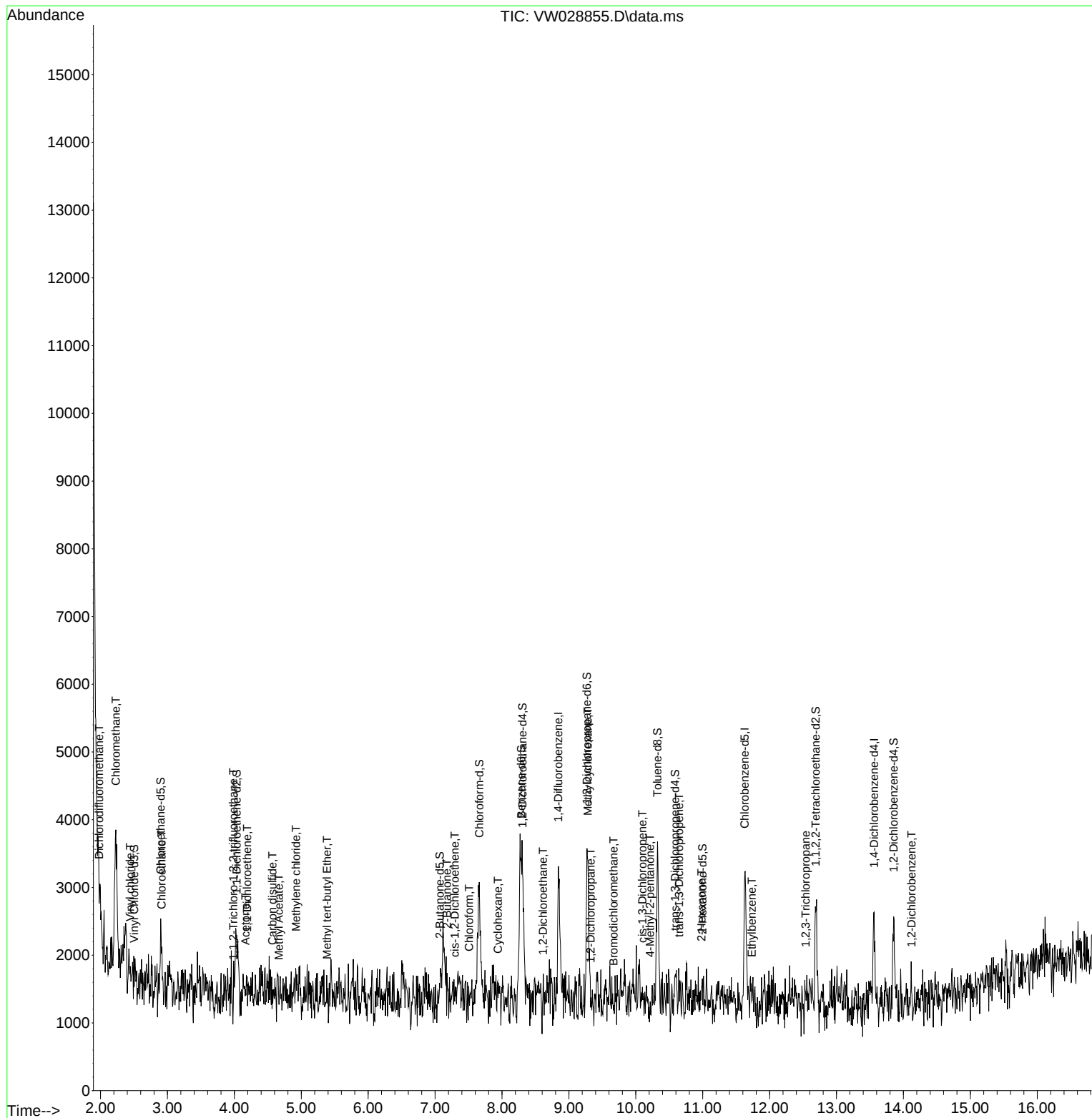
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) cis-1,3-Dichloropropene	10.099	75	42	1.350	ug/L #	43
40) 4-Methyl-2-pentanone	10.215	43	60	4.060	ug/L #	5
44) trans-1,3-Dichloropropene	10.648	75	58	2.210	ug/L #	42
48) 2-Hexanone	10.983	43	72	6.901	ug/L #	33
52) Ethylbenzene	11.733	91	48	0.493	ug/L #	42
61) 1,2,3-Trichloropropane	12.538	75	26	4.236	ug/L #	39
67) 1,2-Dichlorobenzene	14.123	146	46	3.206	ug/L #	24

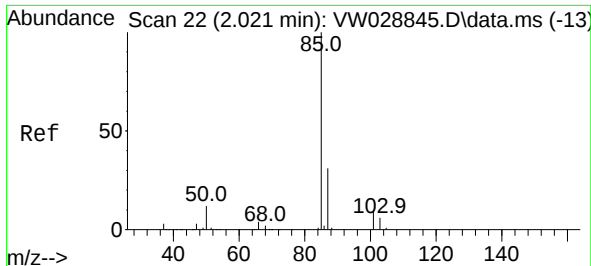
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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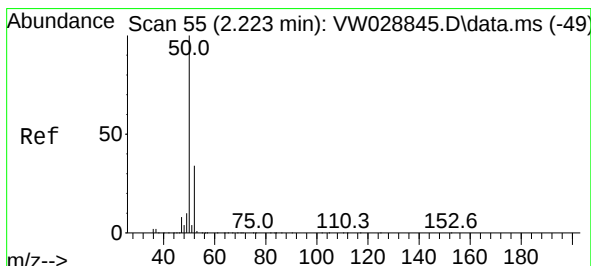
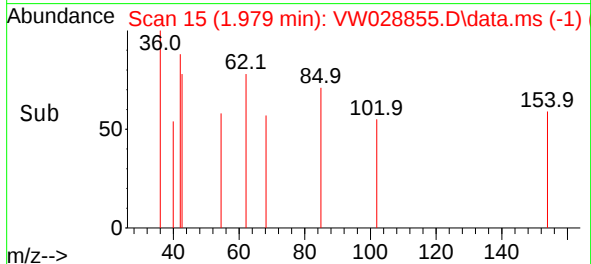
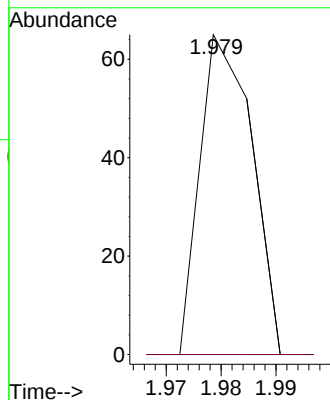
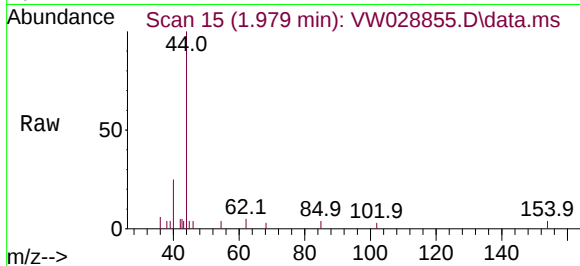




#2
 Dichlorodifluoromethane
 Concen: 2.127 ug/L
 RT: 1.979 min Scan# 14
 Delta R.T. -0.043 min
 Lab File: VW028855.D
 Acq: 29 May 2024 01:30

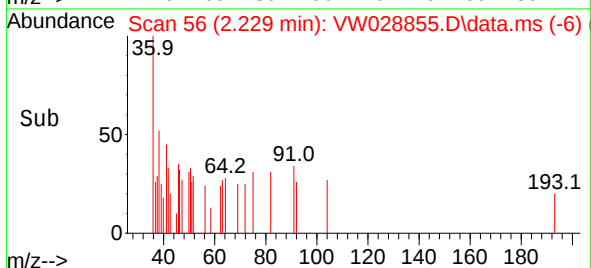
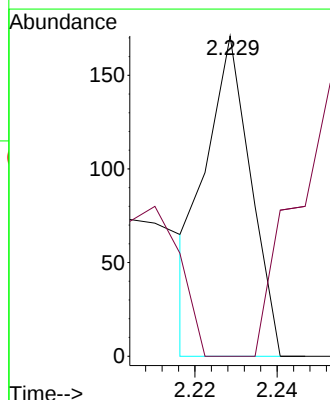
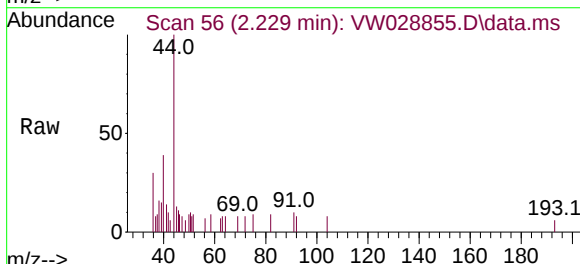
Instrument :
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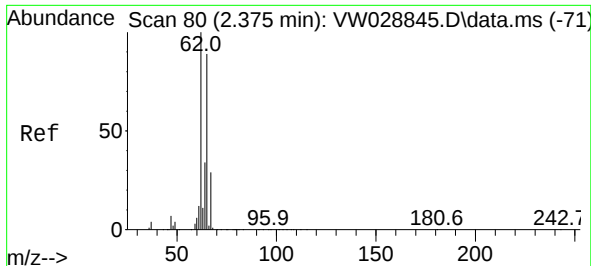
Tgt Ion: 85 Resp: 43
 Ion Ratio Lower Upper
 85 100
 87 0.0 21.9 32.9#



#3
 Chloromethane
 Concen: 5.111 ug/L
 RT: 2.229 min Scan# 56
 Delta R.T. 0.006 min
 Lab File: VW028855.D
 Acq: 29 May 2024 01:30

Tgt Ion: 50 Resp: 128
 Ion Ratio Lower Upper
 50 100
 52 0.0 22.0 41.0#

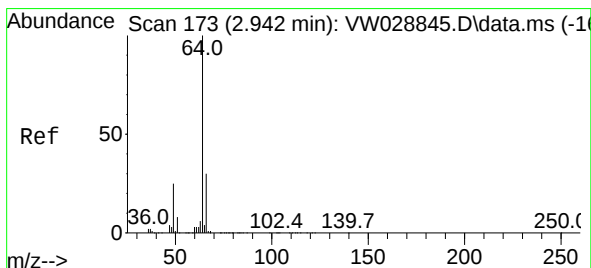
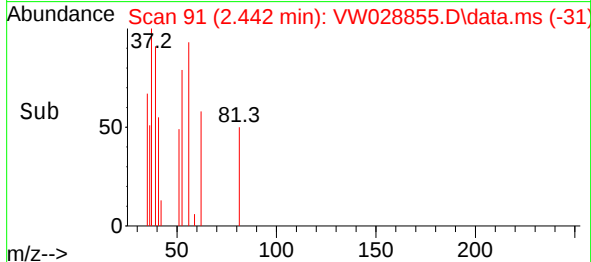
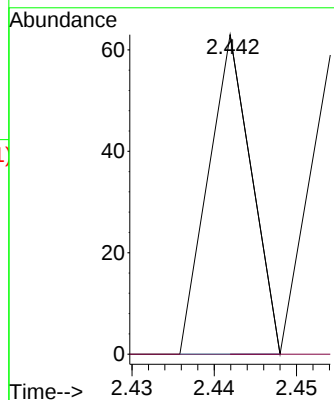
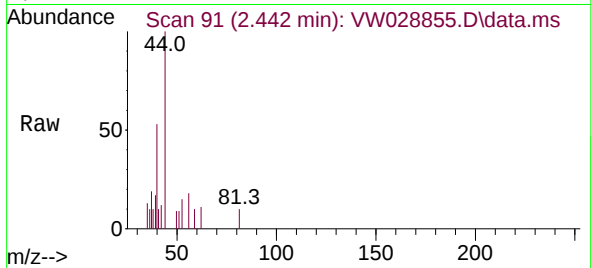




#5
 Vinyl chloride
 Concen: 0.816 ug/L
 RT: 2.442 min Scan# 91
 Delta R.T. 0.067 min
 Lab File: VW028855.D
 Acq: 29 May 2024 01:30

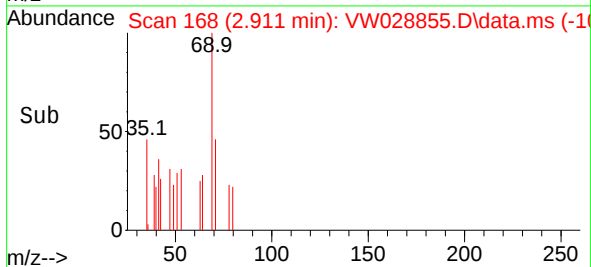
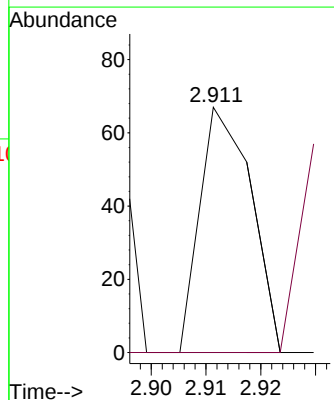
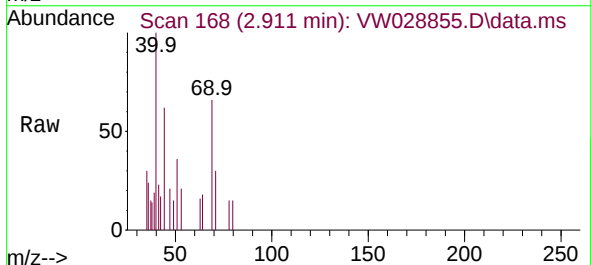
Instrument :
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 ClientSampleId :

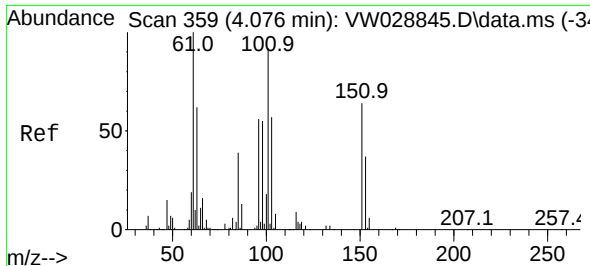
Tgt Ion: 62 Resp: 23
 Ion Ratio Lower Upper
 62 100
 64 0.0 23.3 43.3#



#8
 Chloroethane
 Concen: 2.736 ug/L
 RT: 2.911 min Scan# 168
 Delta R.T. -0.031 min
 Lab File: VW028855.D
 Acq: 29 May 2024 01:30

Tgt Ion: 64 Resp: 44
 Ion Ratio Lower Upper
 64 100
 66 0.0 21.7 40.3#

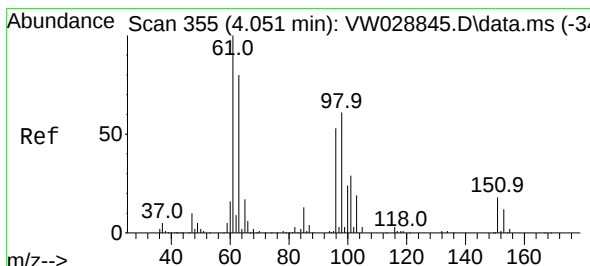
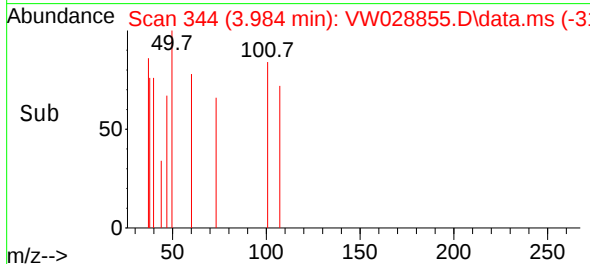
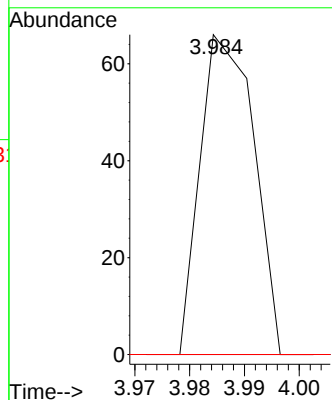
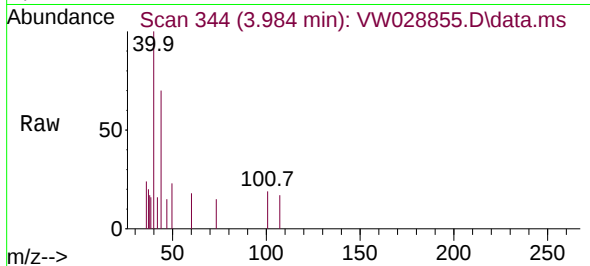




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.109 ug/L
RT: 3.984 min Scan# 344
Delta R.T. -0.092 min
Lab File: VW028855.D
Acq: 29 May 2024 01:30

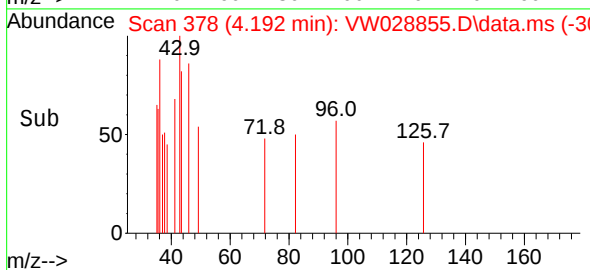
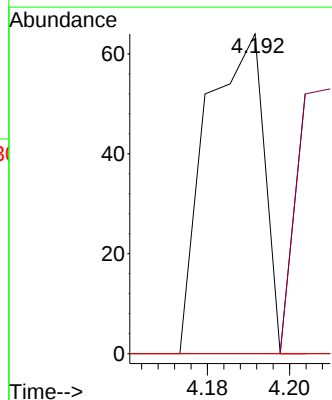
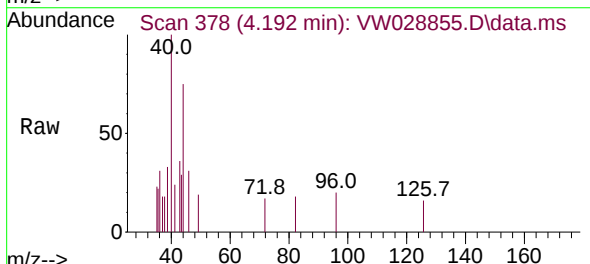
Instrument :
MSVOA_W
ClientSampleId :

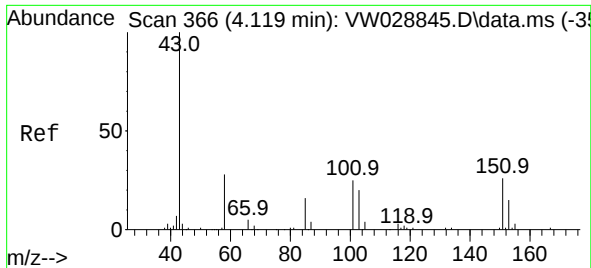
Tgt Ion:101 Resp: 45
Ion Ratio Lower Upper
101 100
85 0.0 35.8 53.8#
151 0.0 49.6 74.4#



#12
1,1-Dichloroethene
Concen: 3.239 ug/L
RT: 4.192 min Scan# 378
Delta R.T. 0.140 min
Lab File: VW028855.D
Acq: 29 May 2024 01:30

Tgt Ion: 96 Resp: 62
Ion Ratio Lower Upper
96 100
61 0.0 131.6 244.4#
63 0.0 111.4 206.8#

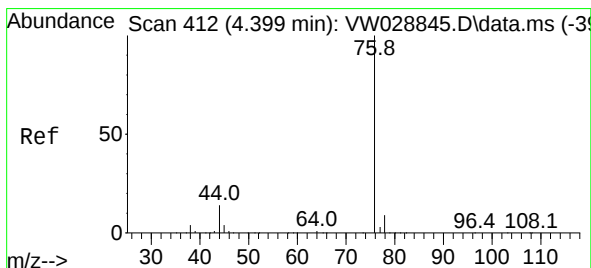
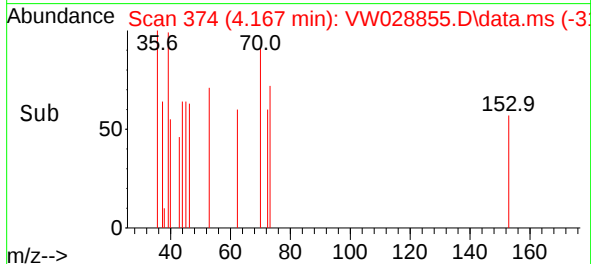
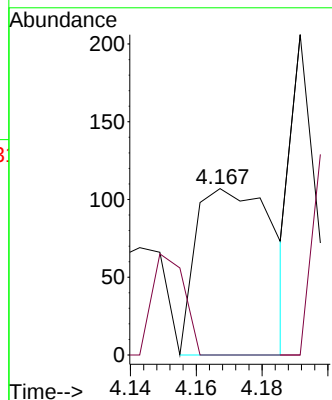
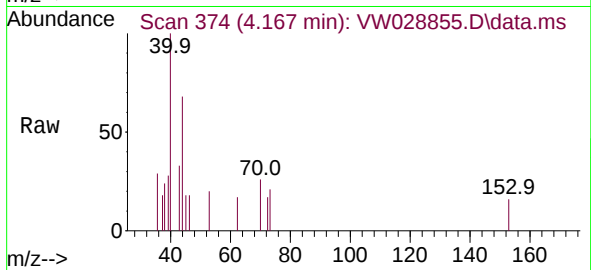




#13
Acetone
Concen: 27.914 ug/L
RT: 4.167 min Scan# 31
Delta R.T. 0.049 min
Lab File: VW028855.D
Acq: 29 May 2024 01:30

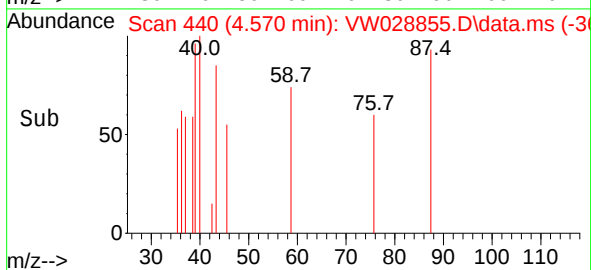
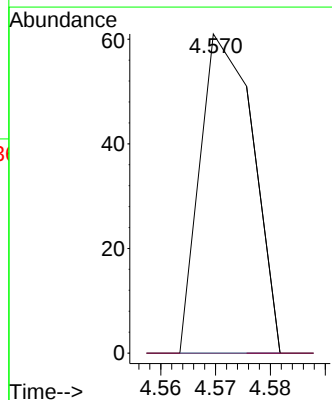
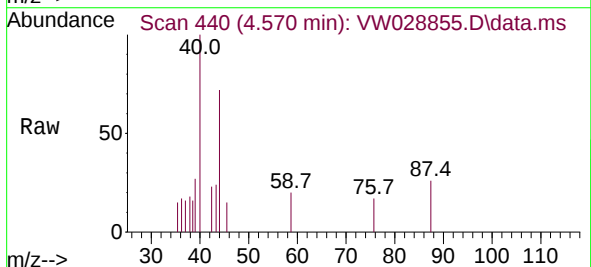
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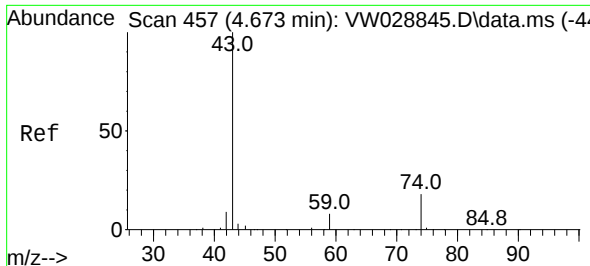
Tgt Ion: 43 Resp: 175
Ion Ratio Lower Upper
43 100
58 25.1 0.0 54.4



#14
Carbon disulfide
Concen: 0.634 ug/L
RT: 4.570 min Scan# 440
Delta R.T. 0.171 min
Lab File: VW028855.D
Acq: 29 May 2024 01:30

Tgt Ion: 76 Resp: 41
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#

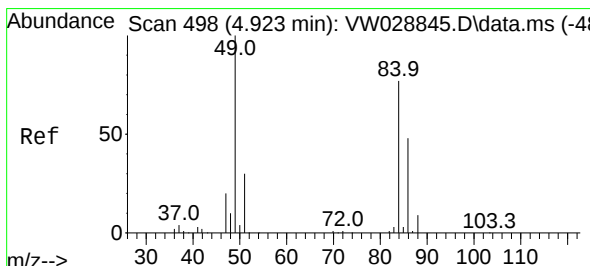
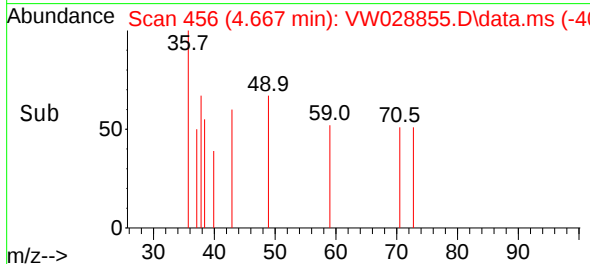
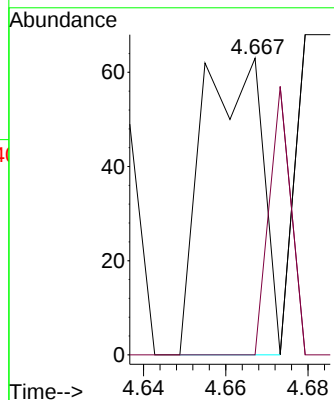
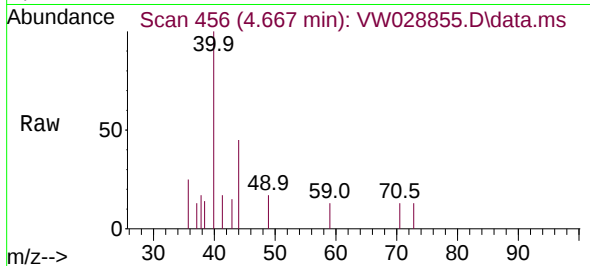




#15
Methyl Acetate
Concen: 5.868 ug/L
RT: 4.667 min Scan# 41
Delta R.T. -0.006 min
Lab File: VW028855.D
Acq: 29 May 2024 01:30

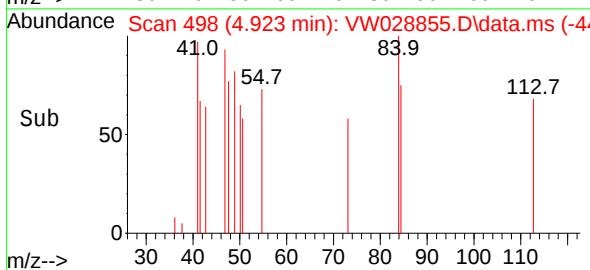
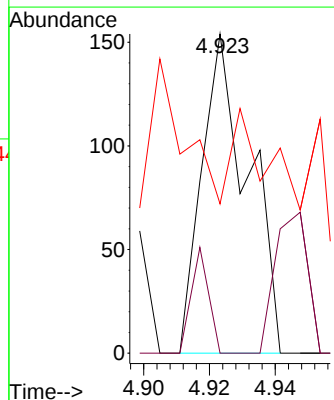
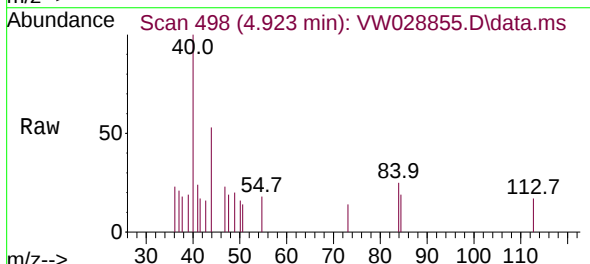
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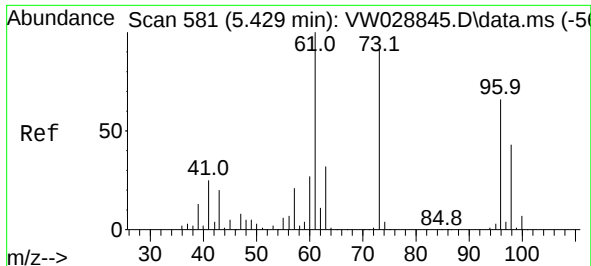
Tgt Ion: 43 Resp: 64
Ion Ratio Lower Upper
43 100
74 0.0 17.6 26.4#



#16
Methylene chloride
Concen: 7.019 ug/L
RT: 4.923 min Scan# 498
Delta R.T. -0.000 min
Lab File: VW028855.D
Acq: 29 May 2024 01:30

Tgt Ion: 84 Resp: 151
Ion Ratio Lower Upper
84 100
86 0.0 44.4 82.4#
49 46.8 100.2 186.2#





#18

Methyl tert-butyl Ether

Concen: 0.748 ug/L

RT: 5.386 min Scan# 51

Delta R.T. -0.043 min

Lab File: VW028855.D

Acq: 29 May 2024 01:30

Instrument :

MSVOA_W

ClientSampleId :

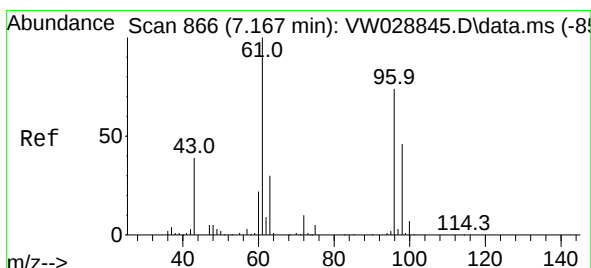
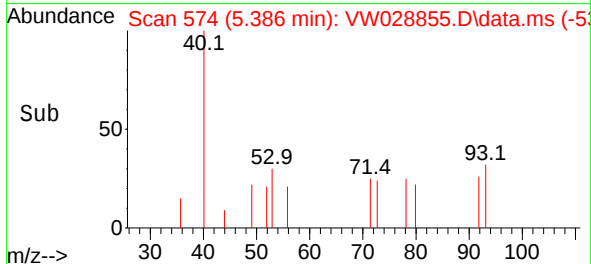
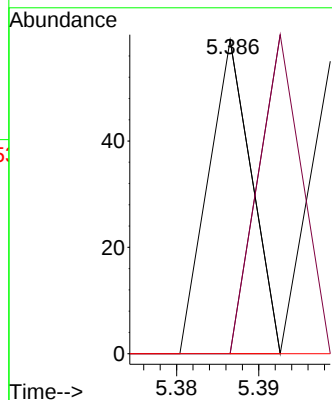
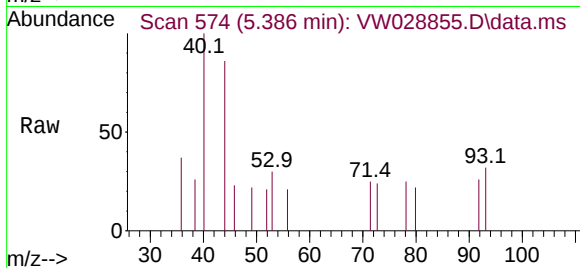
Tgt Ion: 73 Resp: 22

Ion Ratio Lower Upper

73 100

43 209.1 19.2 28.8#

57 0.0 18.5 27.7#



#20

cis-1,2-Dichloroethene

Concen: 2.493 ug/L

RT: 7.295 min Scan# 887

Delta R.T. 0.128 min

Lab File: VW028855.D

Acq: 29 May 2024 01:30

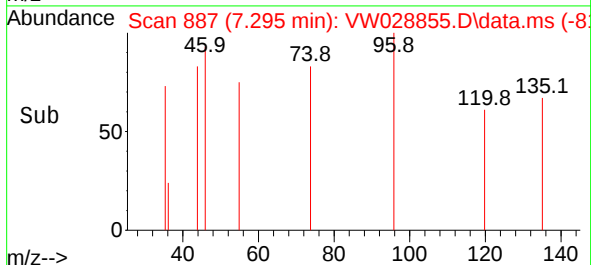
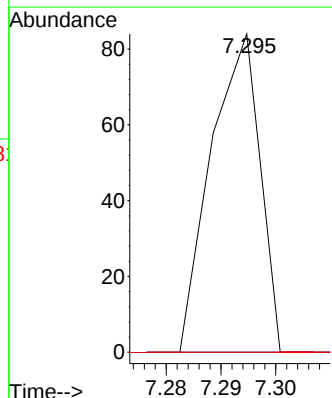
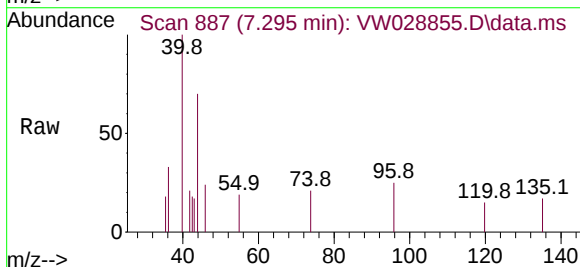
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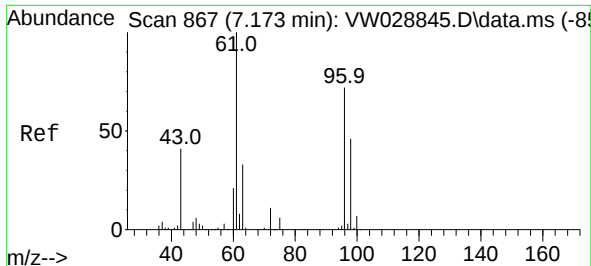
Ion Ratio Lower Upper

96 100

61 0.0 102.8 191.0#

98 0.0 44.3 82.3#

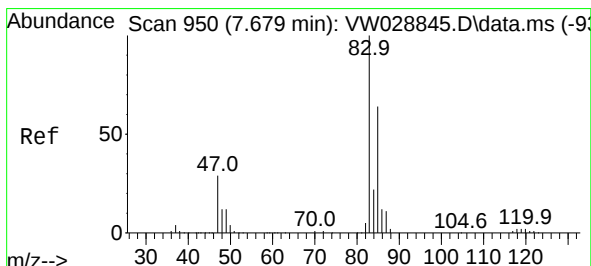
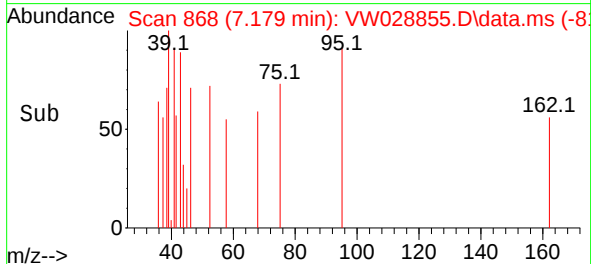
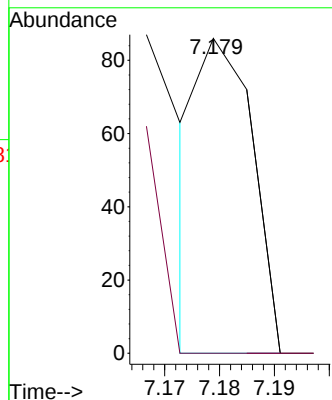
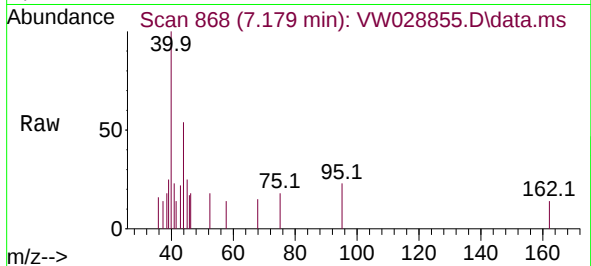




#22
2-Butanone
Concen: 7.208 ug/L
RT: 7.179 min Scan# 80
Delta R.T. 0.006 min
Lab File: VW028855.D
Acq: 29 May 2024 01:30

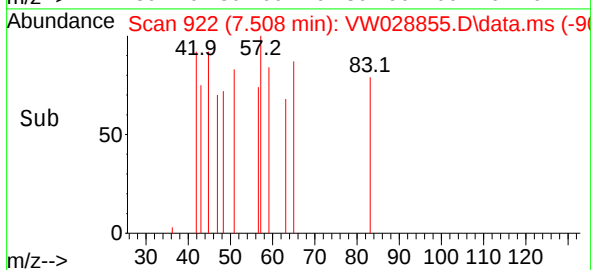
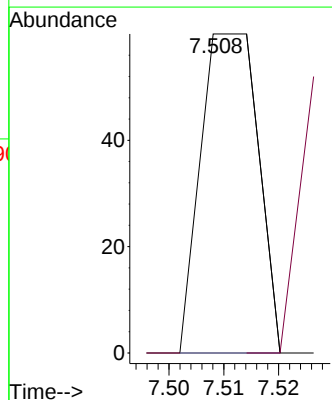
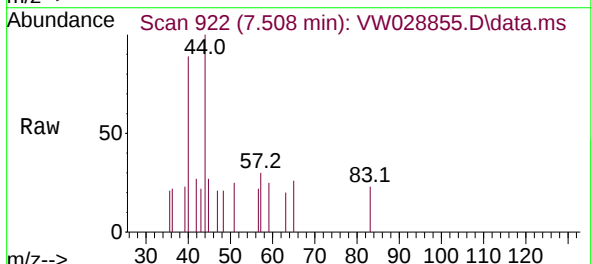
Instrument :
MSVOA_W
ClientSampleId :

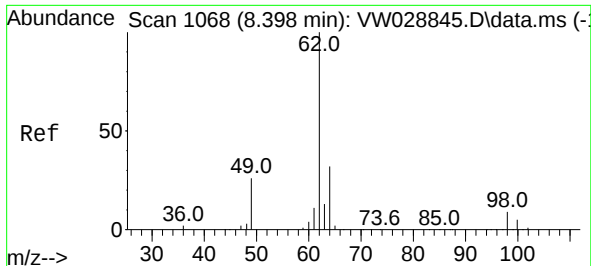
Tgt Ion: 43 Resp: 58
Ion Ratio Lower Upper
43 100
72 0.0 12.2 36.6#



#25
Chloroform
Concen: 1.151 ug/L
RT: 7.508 min Scan# 922
Delta R.T. -0.171 min
Lab File: VW028855.D
Acq: 29 May 2024 01:30

Tgt Ion: 83 Resp: 44
Ion Ratio Lower Upper
83 100
85 0.0 43.4 80.6#





#27

1,2-Dichloroethane

Concen: 1.583 ug/L

RT: 8.612 min Scan# 1103

Delta R.T. 0.213 min

Lab File: VW028855.D

Acq: 29 May 2024 01:30

Instrument :

MSVOA_W

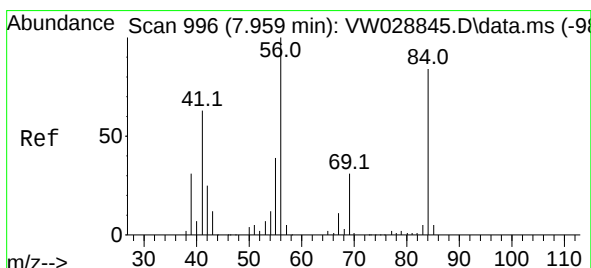
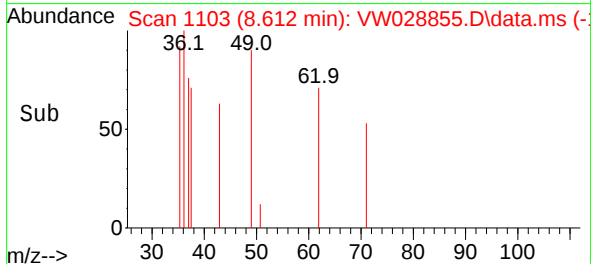
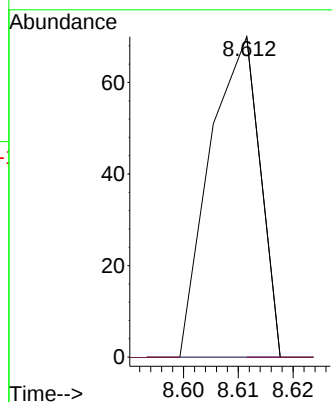
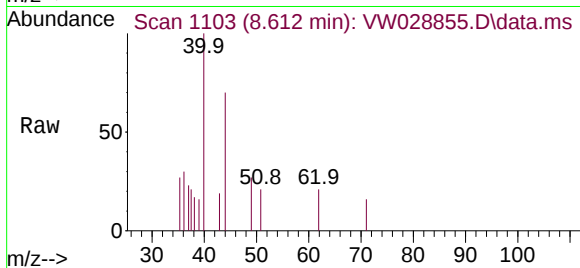
ClientSampleId :

Tgt Ion: 62 Resp: 44

Ion Ratio Lower Upper

62 100

98 0.0 7.0 10.6#



#29

Cyclohexane

Concen: 1.119 ug/L

RT: 7.941 min Scan# 993

Delta R.T. -0.018 min

Lab File: VW028855.D

Acq: 29 May 2024 01:30

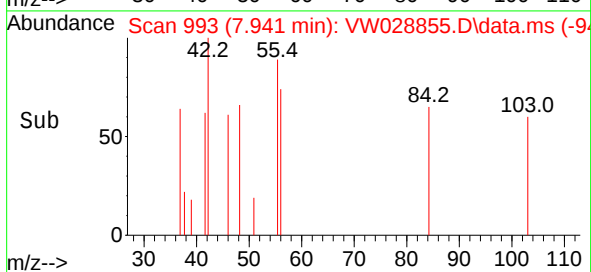
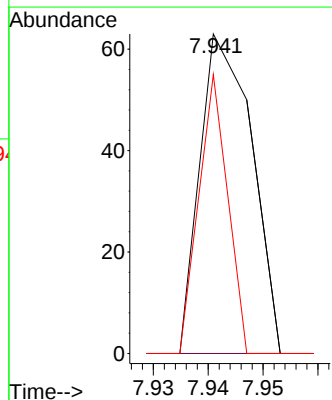
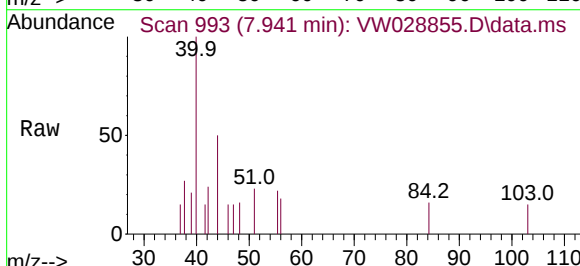
Tgt Ion: 56 Resp: 41

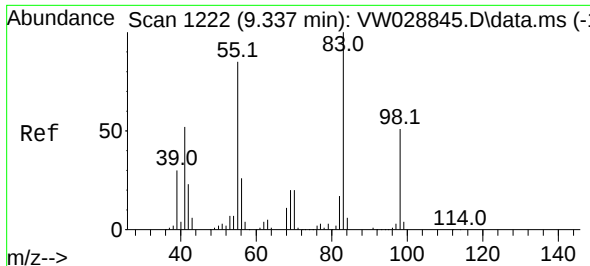
Ion Ratio Lower Upper

56 100

69 0.0 23.4 35.0#

84 0.0 65.8 98.8#





#35

Methylcyclohexane

Concen: 3.458 ug/L

RT: 9.282 min Scan# 1213

Delta R.T. -0.055 min

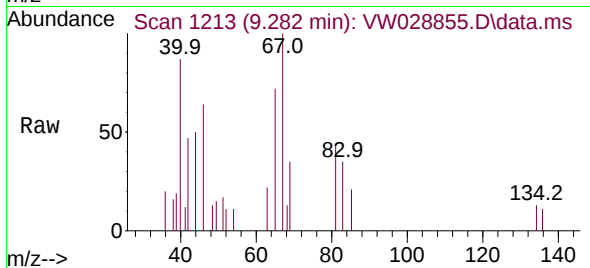
Lab File: VW028855.D

Acq: 29 May 2024 01:30

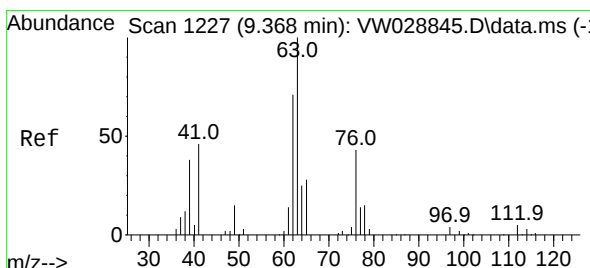
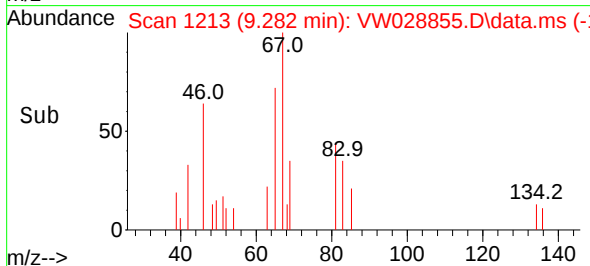
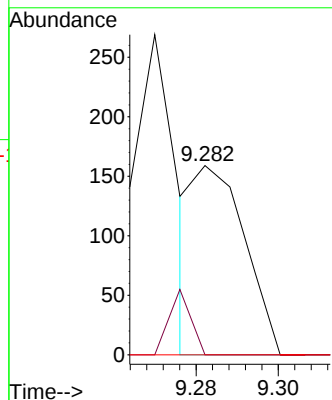
Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion:	83	Resp:	135
Ion	Ratio	Lower	Upper
83	100		
55	85.2	66.9	100.3
98	0.0	37.9	56.9#



#37

1,2-Dichloropropane

Concen: 1.980 ug/L

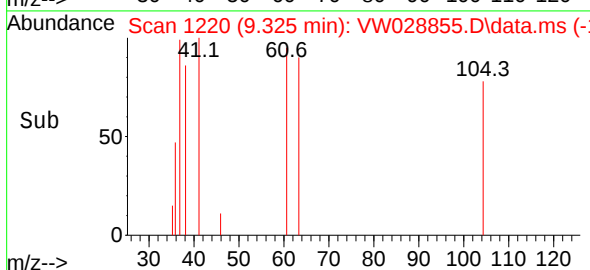
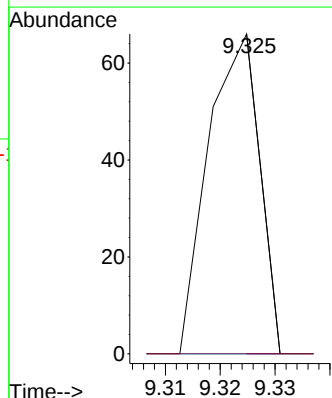
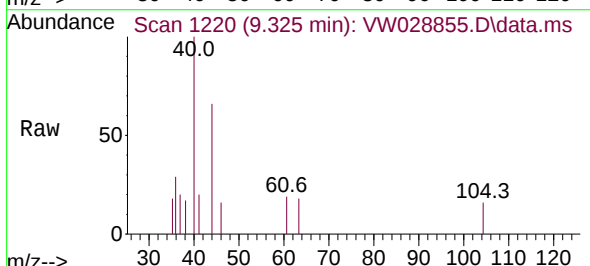
RT: 9.325 min Scan# 1220

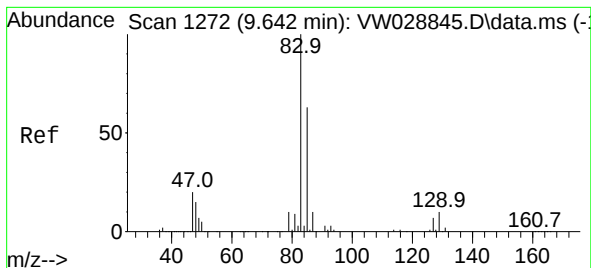
Delta R.T. -0.043 min

Lab File: VW028855.D

Acq: 29 May 2024 01:30

Tgt Ion:	63	Resp:	43
Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.5	5.3#





#38

Bromodichloromethane

Concen: 1.473 ug/L

RT: 9.666 min Scan# 11

Delta R.T. 0.024 min

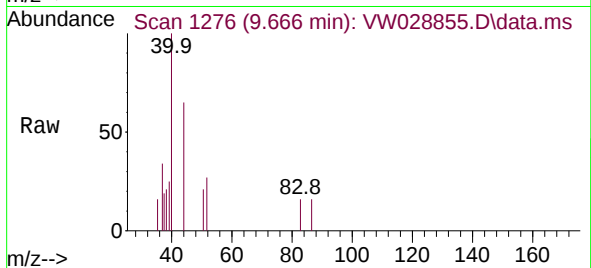
Lab File: VW028855.D

Acq: 29 May 2024 01:30

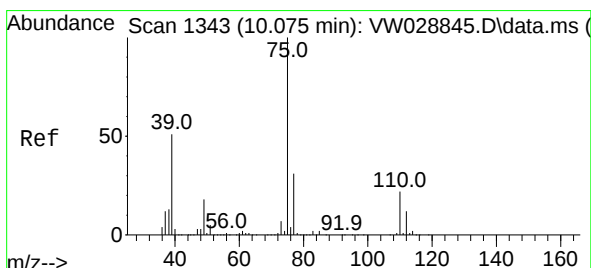
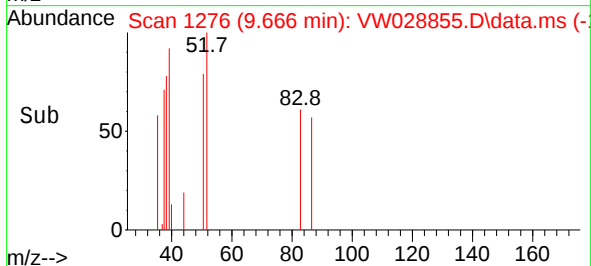
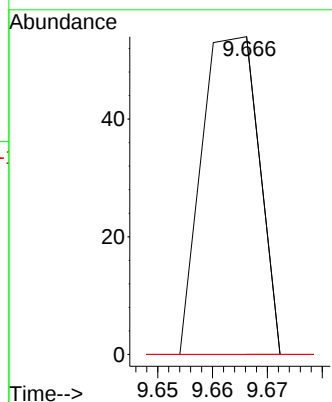
Instrument :

MSVOA_W

ClientSampleId :



Tgt Ion: 83	Resp:	39
Ion Ratio	Lower	Upper
83	100	
85	0.0	43.0 80.0#
127	0.0	5.9 8.9#



#39

cis-1,3-Dichloropropene

Concen: 1.350 ug/L

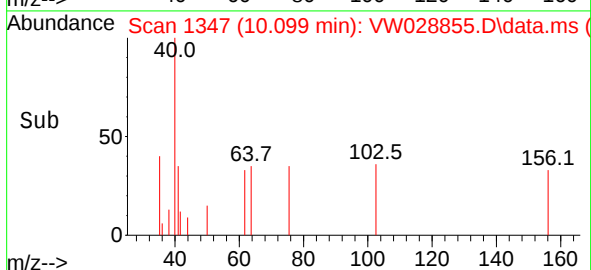
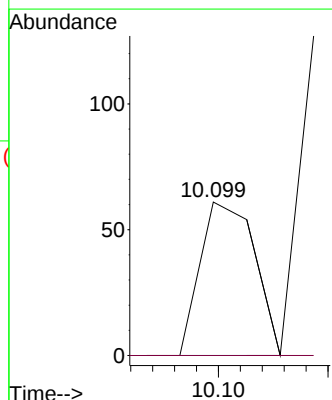
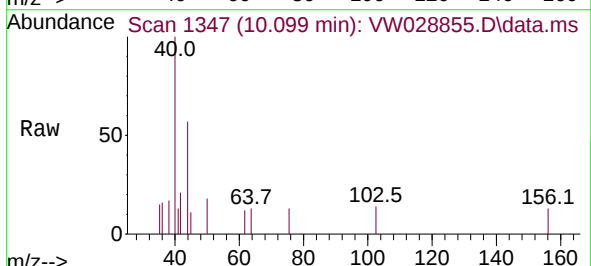
RT: 10.099 min Scan# 1347

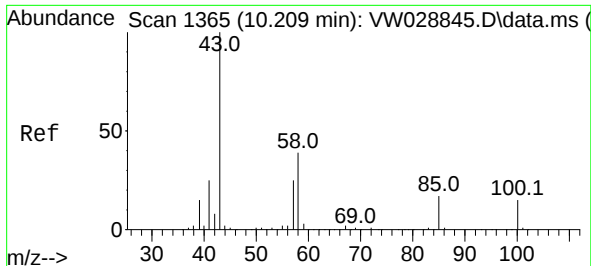
Delta R.T. 0.024 min

Lab File: VW028855.D

Acq: 29 May 2024 01:30

Tgt Ion: 75	Resp:	42
Ion Ratio	Lower	Upper
75	100	
77	0.0	21.8 40.6#





#40

4-Methyl-2-pentanone

Concen: 4.060 ug/L

RT: 10.215 min Scan# 1436

Delta R.T. 0.006 min

Lab File: VW028855.D

Acq: 29 May 2024 01:30

Instrument :

MSVOA_W

ClientSampleId :

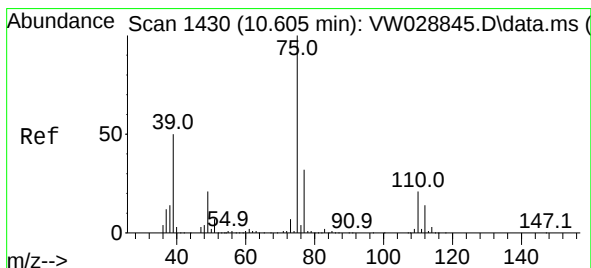
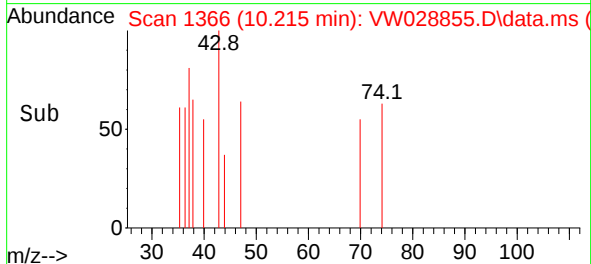
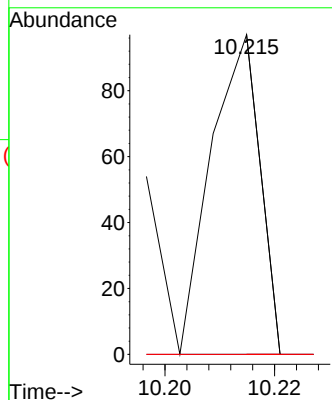
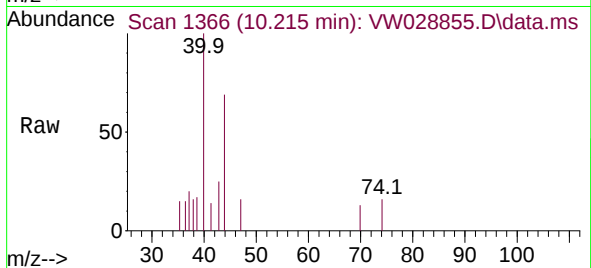
Tgt Ion: 43 Resp: 60

Ion Ratio Lower Upper

43 100

58 106.7 29.2 43.8#

100 0.0 11.0 16.4#



#44

trans-1,3-Dichloropropene

Concen: 2.210 ug/L

RT: 10.648 min Scan# 1437

Delta R.T. 0.043 min

Lab File: VW028855.D

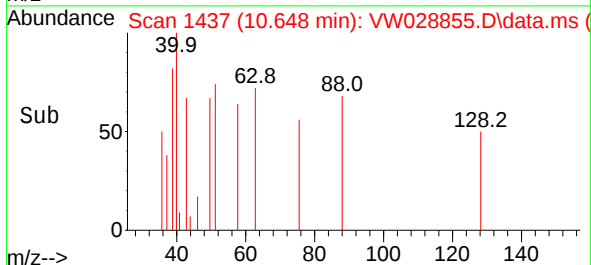
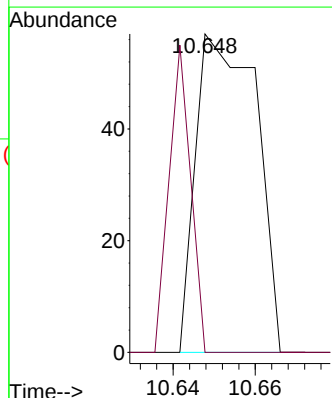
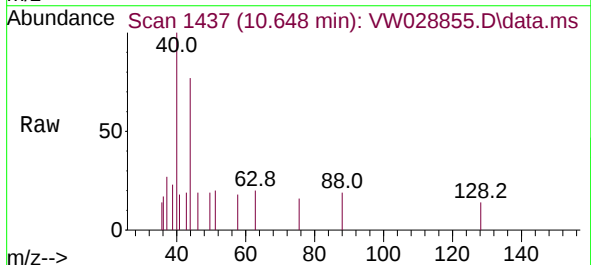
Acq: 29 May 2024 01:30

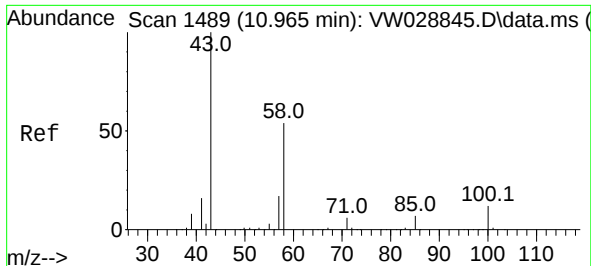
Tgt Ion: 75 Resp: 58

Ion Ratio Lower Upper

75 100

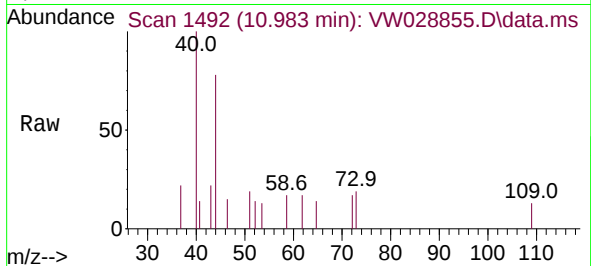
77 0.0 22.5 41.9#



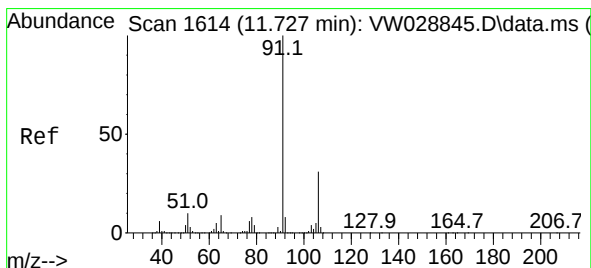
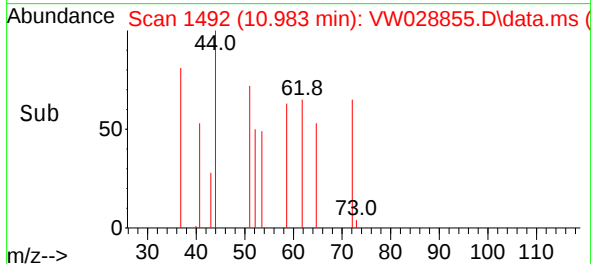
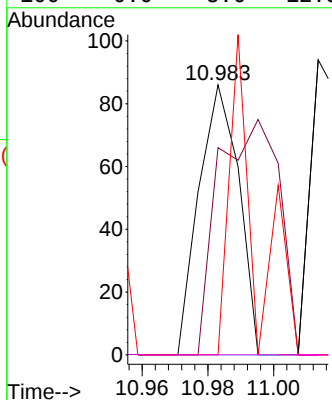


#48
2-Hexanone
Concen: 6.901 ug/L
RT: 10.983 min Scan# 1489
Delta R.T. 0.018 min
Lab File: VW028855.D
Acq: 29 May 2024 01:30

Instrument :
MSVOA_W
ClientSampleId :

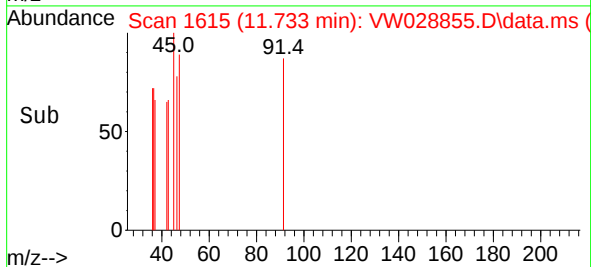
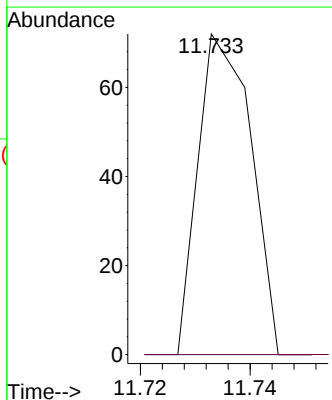
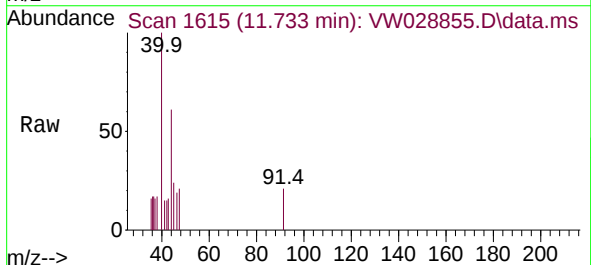


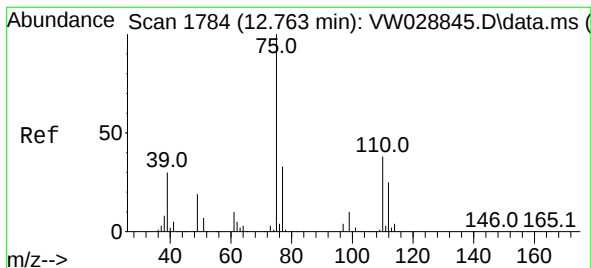
Tgt Ion: 43	Resp: 72
Ion Ratio	Lower Upper
43 100	
58 0.0	41.0 61.4#
57 51.4	14.8 22.2#
100 0.0	8.6 12.8#



#52
Ethylbenzene
Concen: 0.493 ug/L
RT: 11.733 min Scan# 1615
Delta R.T. 0.006 min
Lab File: VW028855.D
Acq: 29 May 2024 01:30

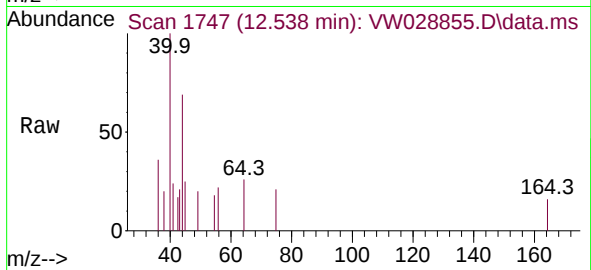
Tgt Ion: 91	Resp: 48
Ion Ratio	Lower Upper
91 100	
106 0.0	22.7 42.1#



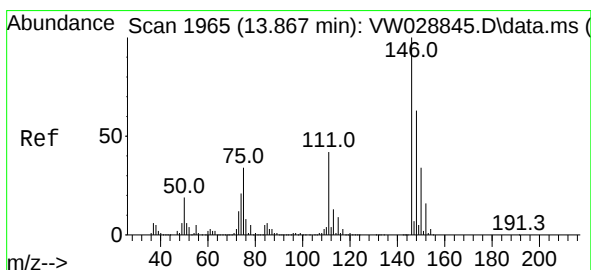
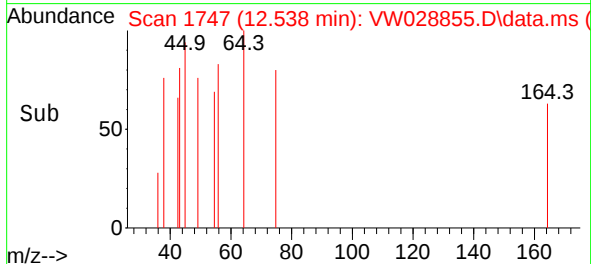
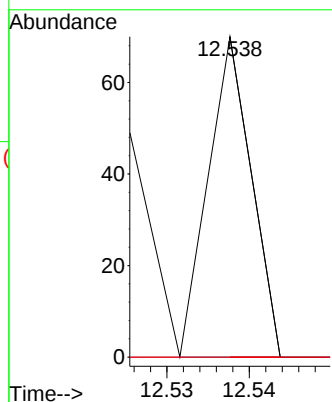


#61
1,2,3-Trichloropropane
Concen: 4.236 ug/L
RT: 12.538 min Scan# 11
Delta R.T. -0.226 min
Lab File: VW028855.D
Acq: 29 May 2024 01:30

Instrument :
MSVOA_W
ClientSampleId :



Tgt Ion: 75 Resp: 26
Ion Ratio Lower Upper
75 100
77 0.0 25.9 38.9#
110 0.0 30.6 45.8#



#67
1,2-Dichlorobenzene
Concen: 3.206 ug/L
RT: 14.123 min Scan# 2007
Delta R.T. 0.256 min
Lab File: VW028855.D
Acq: 29 May 2024 01:30

Tgt Ion:146 Resp: 46
Ion Ratio Lower Upper
146 100
111 0.0 34.7 52.1#
148 0.0 51.8 77.8#

