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 Data File : VW029624.D
 Acq On : 13 Dec 2022 02:48
 Operator : SY/MD
 Sample : N5928-01DL 5X
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 37 Sample Multiplier: 1

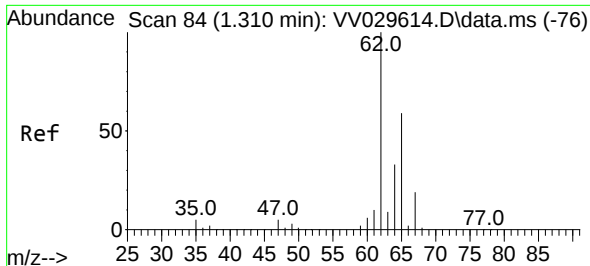
Instrument :
 MSVOA_V
 ClientSampleId :
 EXZ64DL

Quant Time: Dec 13 05:26:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120722WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 13 04:57:44 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	499750	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	456812	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	239139	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	142880	46.689	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.380%
7) Chloroethane-d5	1.564	69	114252	48.961	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.920%
11) 1,1-Dichloroethene-d2	2.104	63	182951	38.329	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.660%
21) 2-Butanone-d5	3.873	46	161983	86.769	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.770%
24) Chloroform-d	4.339	84	245988	42.715	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.420%
26) 1,2-Dichloroethane-d4	5.024	65	145411	44.210	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.420%
32) Benzene-d6	5.043	84	535085	44.330	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.660%
36) 1,2-Dichloropropane-d6	6.063	67	162362	44.037	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	88.080%
41) Toluene-d8	7.307	98	480681	42.265	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.520%
43) trans-1,3-Dichloroprop...	7.612	79	65498	35.180	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.360%
47) 2-Hexanone-d5	8.085	63	135250	85.904	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	85.900%
56) 1,1,2,2-Tetrachloroeth...	10.207	84	223257	42.374	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	84.740%
66) 1,2-Dichlorobenzene-d4	11.612	152	196410	43.145	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.300%
Target Compounds						
						Qvalue
5) Vinyl chloride	1.310	62	66163	17.620	ug/L	95
8) Chloroethane	1.584	64	78859	37.715	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.104	101	2050	0.785	ug/L #	18
12) 1,1-Dichloroethene	2.114	96	4400	1.647	ug/L #	1
17) trans-1,2-Dichloroethene	2.764	96	5242	1.703	ug/L	93
19) 1,1-Dichloroethane	3.185	63	357903	67.876	ug/L	99
20) cis-1,2-Dichloroethene	3.905	96	181213	53.541	ug/L	95
27) 1,2-Dichloroethane	5.133	62	5283	1.368	ug/L	100
30) 1,1,1-Trichloroethane	4.603	97	101132	20.320	ug/L	99
31) Carbon tetrachloride	4.603	117	14027	3.227	ug/L	98
35) Methylcyclohexane	6.063	83	37603	6.862	ug/L #	21
39) cis-1,3-Dichloropropene	6.982	75	3525	0.690	ug/L #	64
46) Tetrachloroethene	7.969	164	3198	1.233	ug/L	90

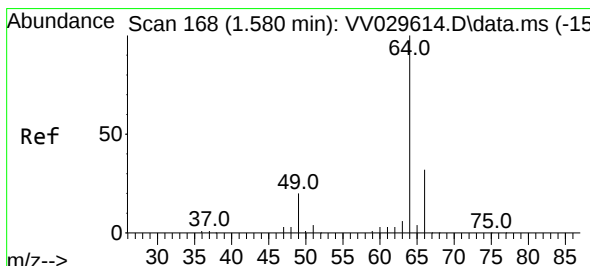
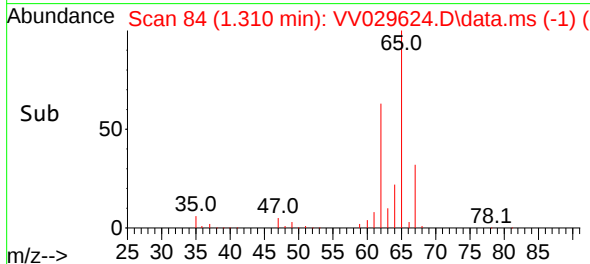
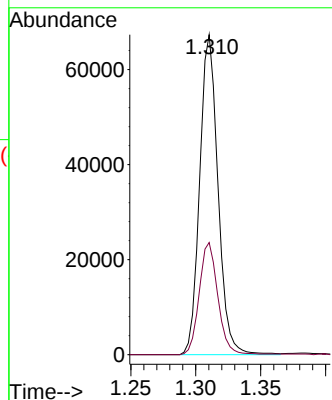
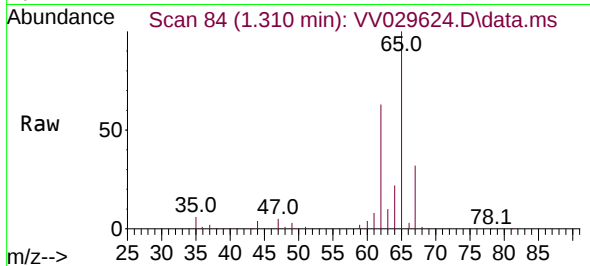
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#5
 Vinyl chloride
 Concen: 17.620 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. -0.000 min
 Lab File: VV029624.D
 Acq: 13 Dec 2022 02:48

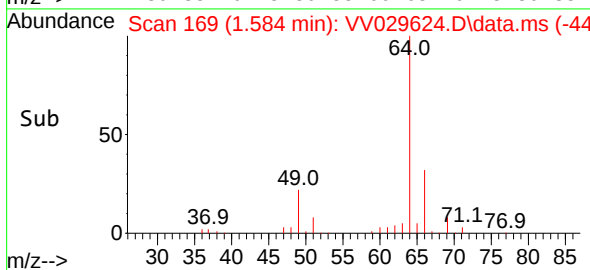
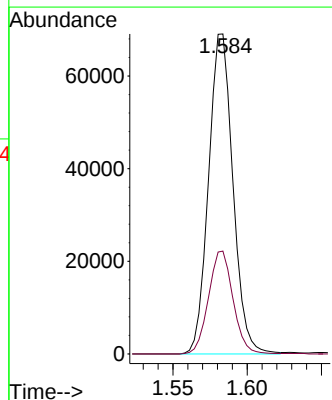
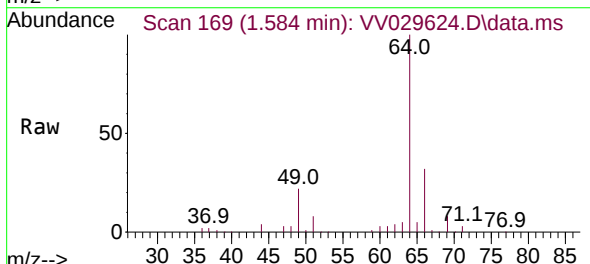
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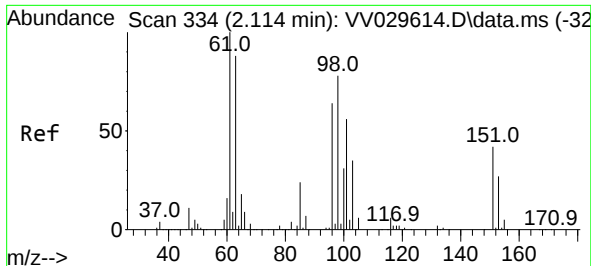
Tgt Ion: 62 Resp: 66163
 Ion Ratio Lower Upper
 62 100
 64 35.0 22.5 41.9



#8
 Chloroethane
 Concen: 37.715 ug/L
 RT: 1.584 min Scan# 169
 Delta R.T. 0.003 min
 Lab File: VV029624.D
 Acq: 13 Dec 2022 02:48

Tgt Ion: 64 Resp: 78859
 Ion Ratio Lower Upper
 64 100
 66 32.1 22.5 41.9





#10

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

Concen: 0.785 ug/L

RT: 2.104 min Scan# 31

Delta R.T. -0.010 min

Lab File: VV029624.D

Acq: 13 Dec 2022 02:48

Instrument :

MSVOA_V

ClientSampleId :

EXZ64DL

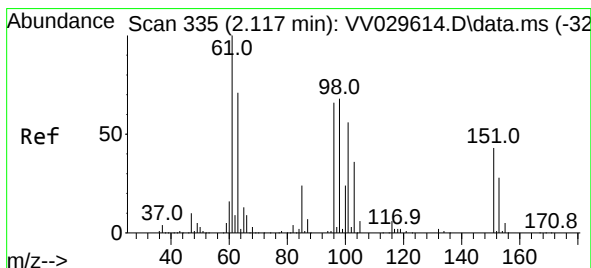
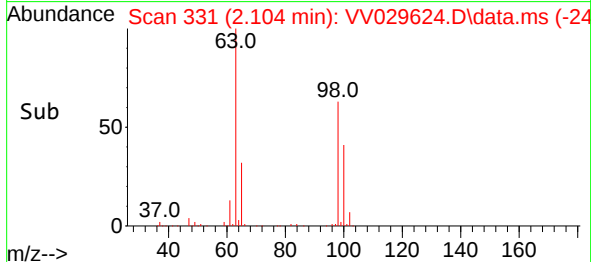
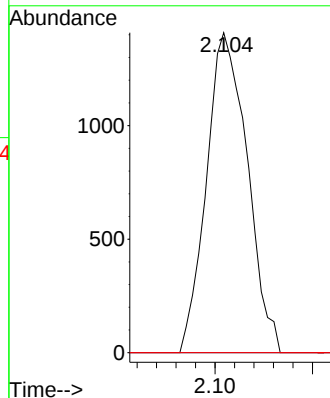
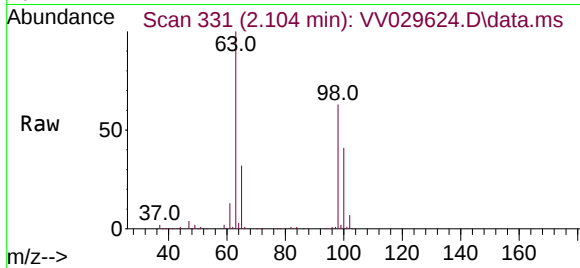
Tgt Ion:101 Resp: 2050

Ion Ratio Lower Upper

101 100

85 0.0 33.6 50.4#

151 0.0 63.5 95.3#



#12

1,1-Dichloroethene

Concen: 1.647 ug/L

RT: 2.114 min Scan# 334

Delta R.T. -0.003 min

Lab File: VV029624.D

Acq: 13 Dec 2022 02:48

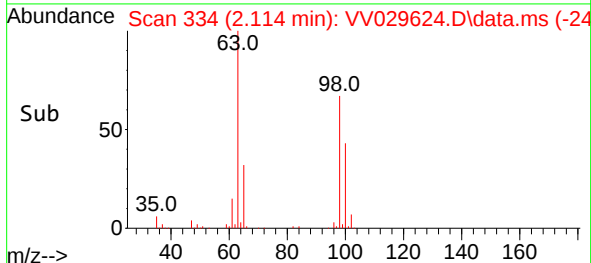
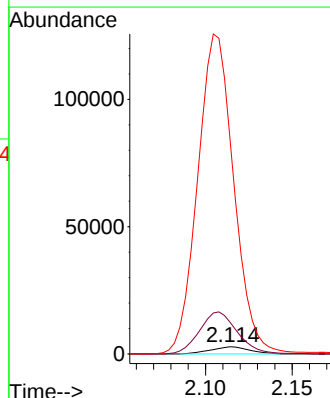
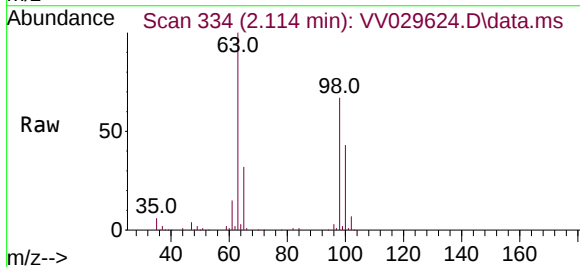
Tgt Ion: 96 Resp: 4400

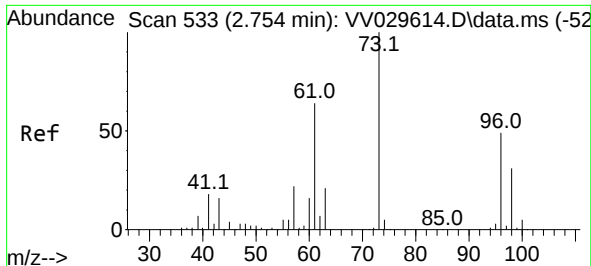
Ion Ratio Lower Upper

96 100

61 444.8 103.3 191.9#

63 3005.7 77.3 143.7#

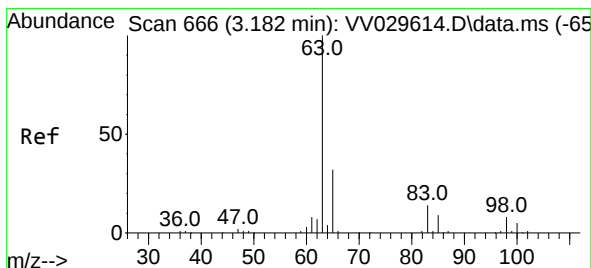
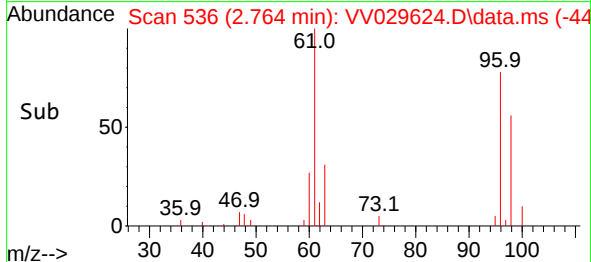
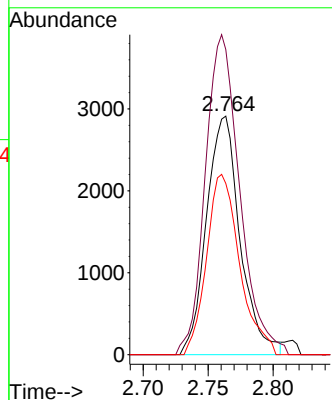
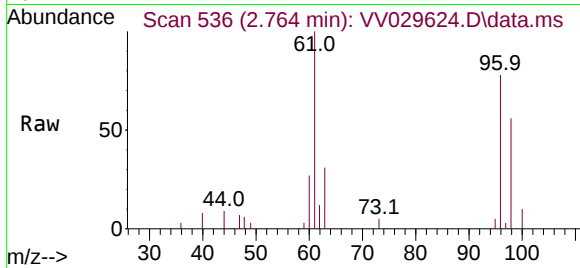




#17
trans-1,2-Dichloroethene
Concen: 1.703 ug/L
RT: 2.764 min Scan# 51
Delta R.T. 0.010 min
Lab File: VV029624.D
Acq: 13 Dec 2022 02:48

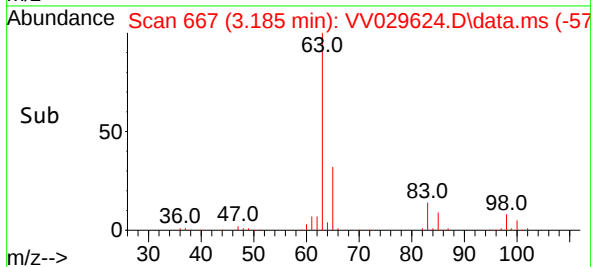
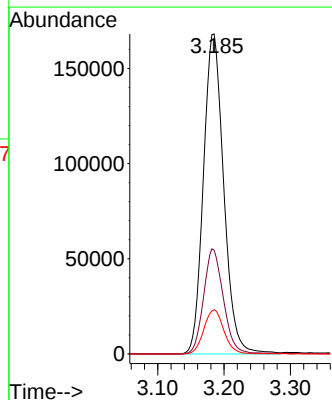
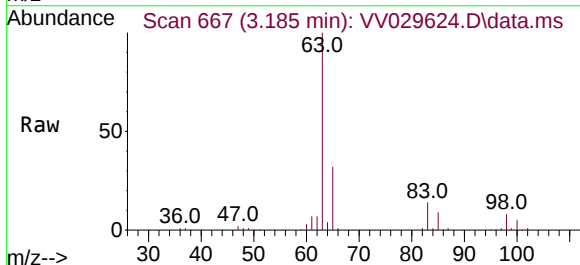
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EXZ64DL

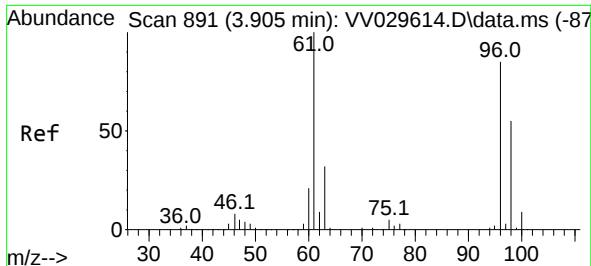
Tgt Ion: 96 Resp: 5242
Ion Ratio Lower Upper
96 100
61 127.9 86.4 160.4
98 71.7 43.4 80.6



#19
1,1-Dichloroethane
Concen: 67.876 ug/L
RT: 3.185 min Scan# 667
Delta R.T. 0.003 min
Lab File: VV029624.D
Acq: 13 Dec 2022 02:48

Tgt Ion: 63 Resp: 357903
Ion Ratio Lower Upper
63 100
65 32.5 22.5 41.7
83 13.8 10.4 19.2

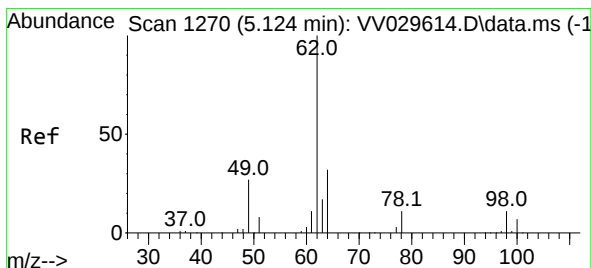
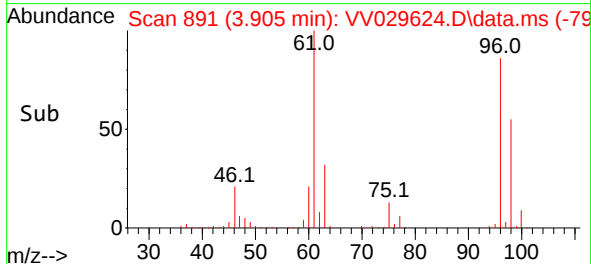
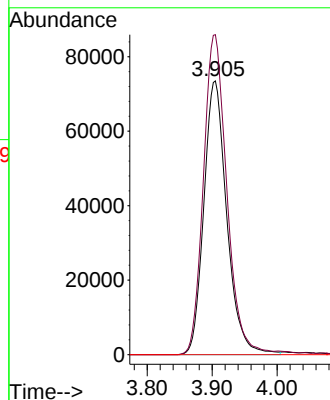
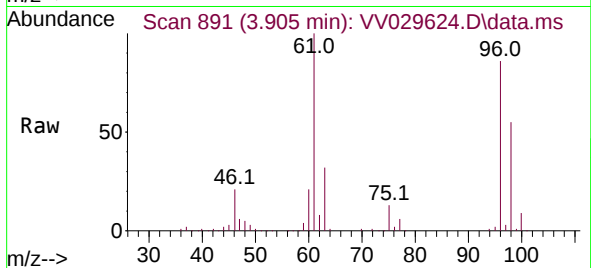




#20
 cis-1,2-Dichloroethene
 Concen: 53.541 ug/L
 RT: 3.905 min Scan# 891
 Delta R.T. -0.000 min
 Lab File: VV029624.D
 Acq: 13 Dec 2022 02:48

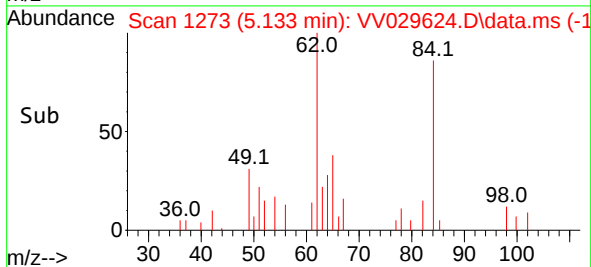
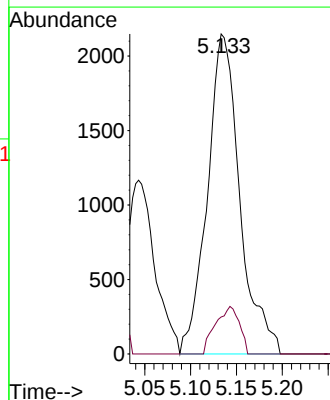
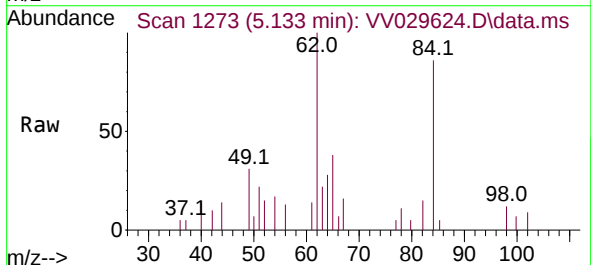
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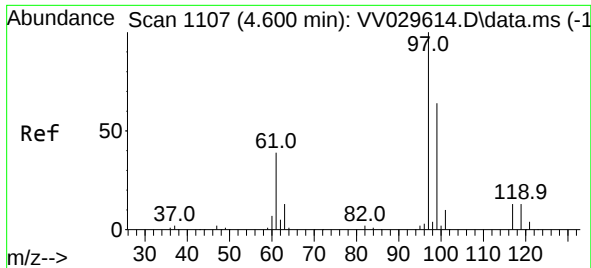
Tgt Ion: 96 Resp: 181213
 Ion Ratio Lower Upper
 96 100
 61 116.9 78.0 144.9
 68 0.0 0.0 0.0



#27
 1,2-Dichloroethane
 Concen: 1.368 ug/L
 RT: 5.133 min Scan# 1273
 Delta R.T. 0.010 min
 Lab File: VV029624.D
 Acq: 13 Dec 2022 02:48

Tgt Ion: 62 Resp: 5283
 Ion Ratio Lower Upper
 62 100
 98 11.5 9.4 14.0





#30

1,1,1-Trichloroethane

Concen: 20.320 ug/L

RT: 4.603 min Scan# 1108

Delta R.T. 0.003 min

Lab File: VV029624.D

Acq: 13 Dec 2022 02:48

Instrument :

MSVOA_V

ClientSampleId :

EXZ64DL

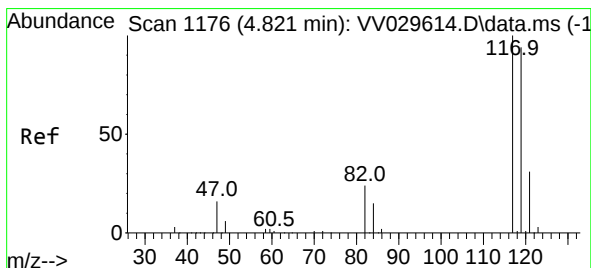
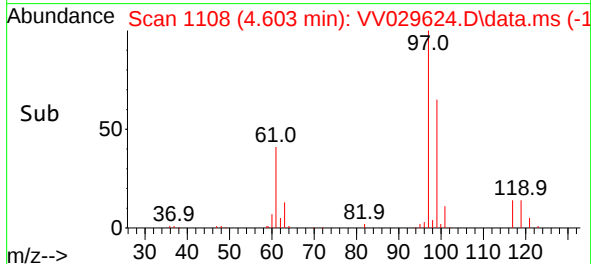
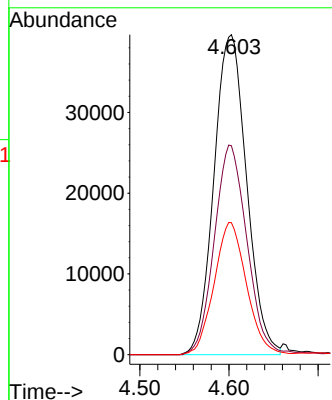
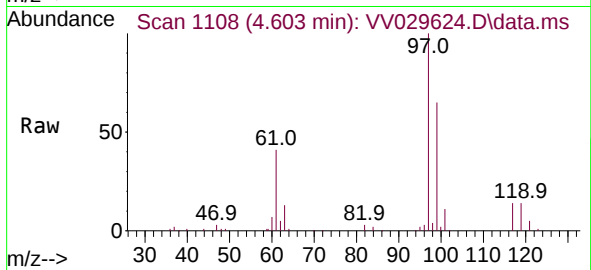
Tgt Ion: 97 Resp: 101132

Ion Ratio Lower Upper

97 100

99 64.9 52.1 78.1

61 40.9 31.8 47.8



#31

Carbon tetrachloride

Concen: 3.227 ug/L

RT: 4.603 min Scan# 1108

Delta R.T. -0.219 min

Lab File: VV029624.D

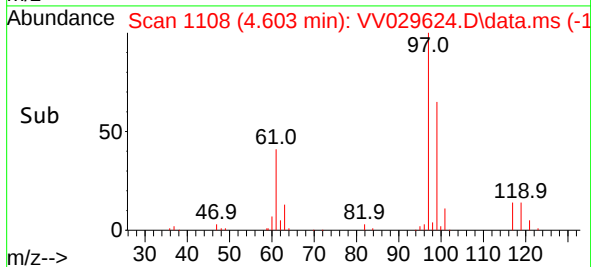
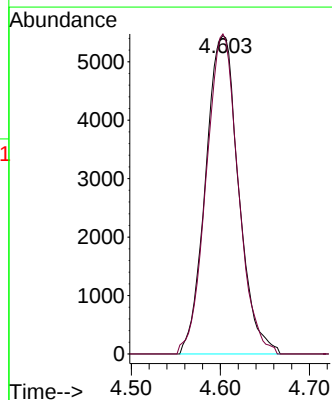
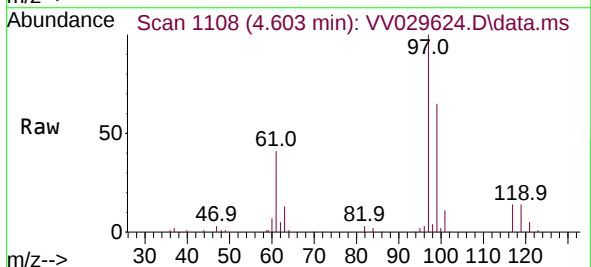
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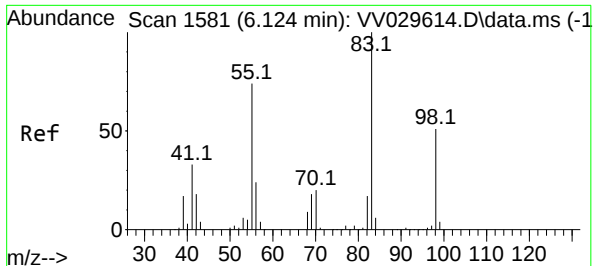
Tgt Ion: 117 Resp: 14027

Ion Ratio Lower Upper

117 100

119 97.5 76.7 115.1

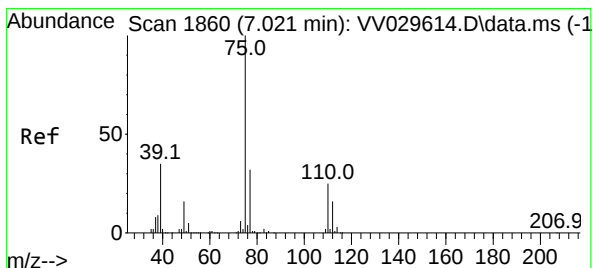
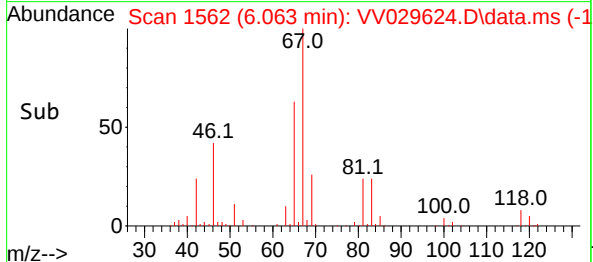
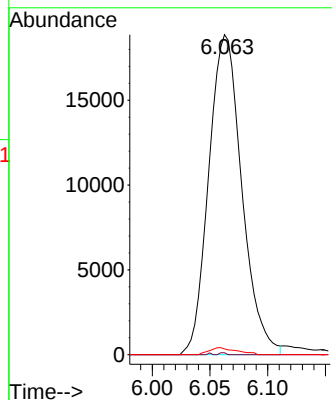
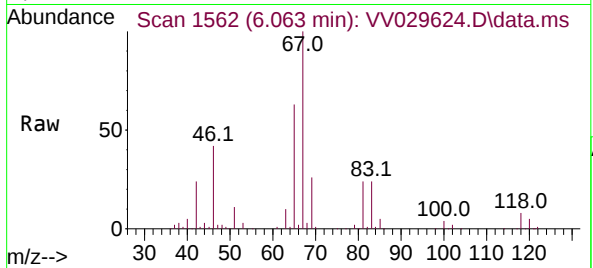




#35
Methylcyclohexane
Concen: 6.862 ug/L
RT: 6.063 min Scan# 11
Delta R.T. -0.061 min
Lab File: VV029624.D
Acq: 13 Dec 2022 02:48

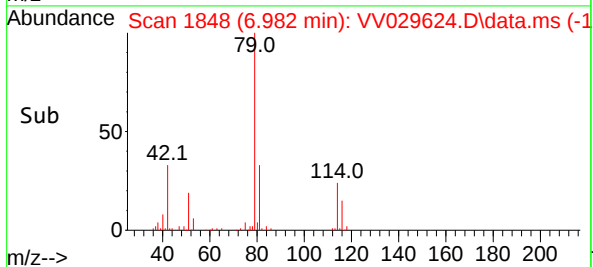
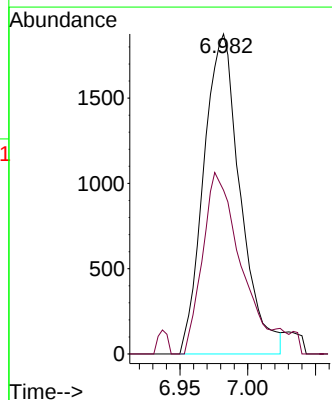
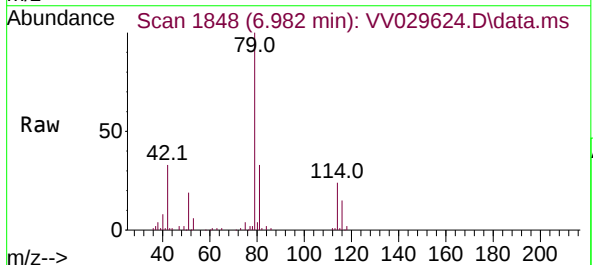
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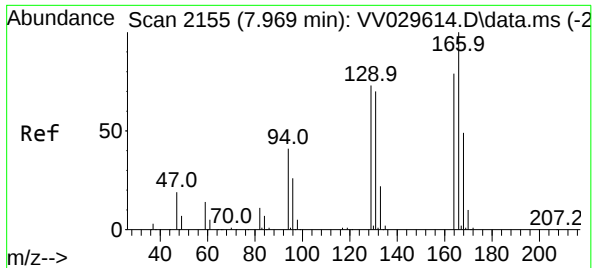
Tgt Ion: 83 Resp: 37603
Ion Ratio Lower Upper
83 100
55 0.1 55.5 83.3#
98 1.8 39.8 59.8#



#39
cis-1,3-Dichloropropene
Concen: 0.690 ug/L
RT: 6.982 min Scan# 1848
Delta R.T. -0.039 min
Lab File: VV029624.D
Acq: 13 Dec 2022 02:48

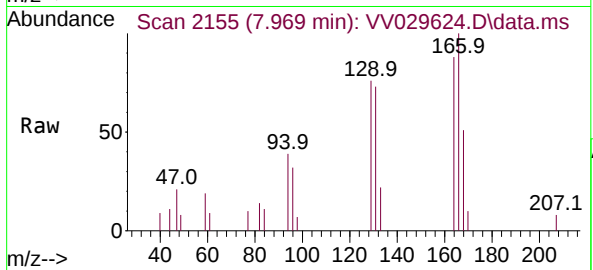
Tgt Ion: 75 Resp: 3525
Ion Ratio Lower Upper
75 100
77 51.2 21.9 40.7#





#46
 Tetrachloroethene
 Concen: 1.233 ug/L
 RT: 7.969 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV029624.D
 Acq: 13 Dec 2022 02:48

Instrument :
 MSVOA_V
 ClientSampleId :
 EXZ64DL



Tgt Ion:164 Resp: 3198

Ion	Ratio	Lower	Upper
164	100		
129	86.4	65.3	121.3
131	82.1	63.1	117.1
166	113.2	90.8	168.6

