

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121322\
 Data File : VW029650.D
 Acq On : 13 Dec 2022 14:50
 Operator : SY/MD
 Sample : N5928-22
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EXZ91

Quant Time: Dec 13 22:52:24 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120722WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 13 22:49:59 2022
 Response via : Initial Calibration

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

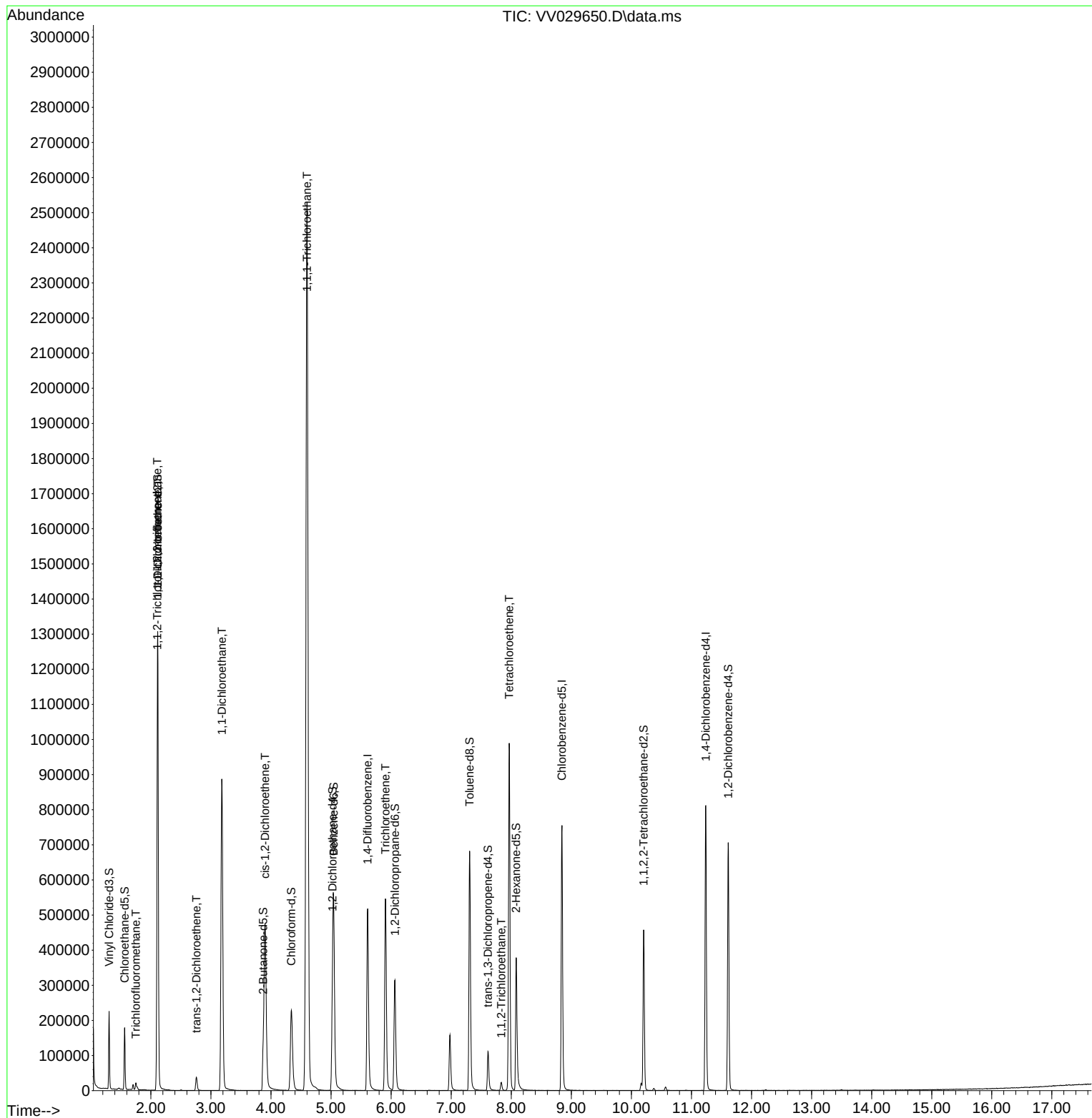
Internal Standards						
1) 1,4-Difluorobenzene	5.609	114	472863	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.844	117	437799	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.239	152	223293	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	135612	46.834	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.660%
7) Chloroethane-d5	1.564	69	112442	50.925	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.860%
11) 1,1-Dichloroethene-d2	2.111	63	355887	78.799	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	157.600%#
21) 2-Butanone-d5	3.870	46	171458	97.066	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.070%
24) Chloroform-d	4.339	84	248370	45.581	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.160%
26) 1,2-Dichloroethane-d4	5.024	65	147015	47.240	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.480%
32) Benzene-d6	5.043	84	539807	46.663	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.320%
36) 1,2-Dichloropropane-d6	6.063	67	166291	47.061	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.120%
41) Toluene-d8	7.307	98	483397	44.349	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.700%
43) trans-1,3-Dichloroprop...	7.612	79	68609	38.452	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	76.900%
47) 2-Hexanone-d5	8.082	63	141524	93.793	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.790%
56) 1,1,2,2-Tetrachloroeth...	10.204	84	228038	45.161	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.320%
66) 1,2-Dichlorobenzene-d4	11.612	152	191481	45.048	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.100%
Target Compounds						Qvalue
9) Trichlorofluoromethane	1.751	101	11362	2.554	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.108	101	2427	0.982	ug/L #	23
12) 1,1-Dichloroethene	2.114	96	353712	139.942	ug/L	84
17) trans-1,2-Dichloroethene	2.757	96	15778	5.418	ug/L	96
19) 1,1-Dichloroethane	3.182	63	916868	183.769	ug/L	99
20) cis-1,2-Dichloroethene	3.902	96	267466	83.519	ug/L	93
30) 1,1,1-Trichloroethane	4.600	97	2110052	442.377	ug/L	99
34) Trichloroethene	5.905	95	197543	63.882	ug/L	99
45) 1,1,2-Trichloroethane	7.834	97	7938	2.580	ug/L	99
46) Tetrachloroethene	7.966	164	231526	93.125	ug/L	98

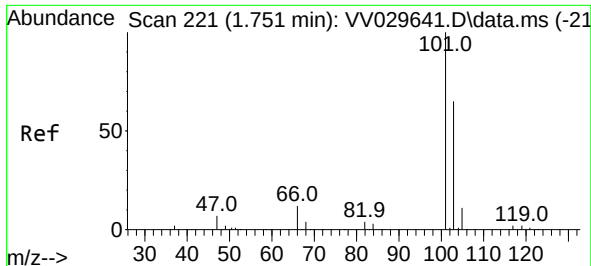
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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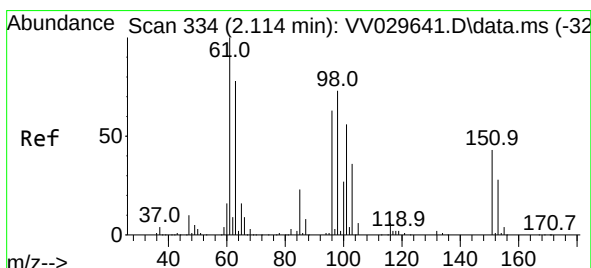
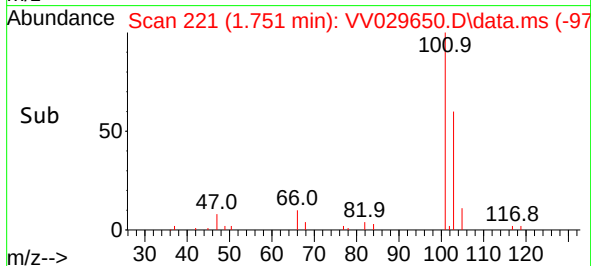
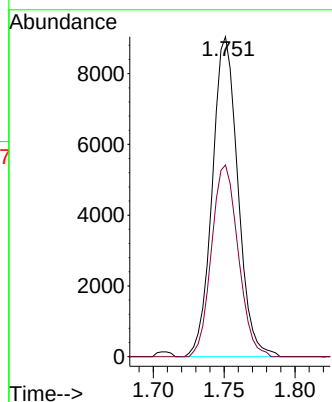
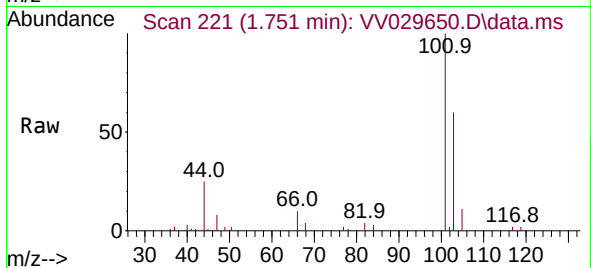




#9
 Trichlorofluoromethane
 Concen: 2.554 ug/L
 RT: 1.751 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV029650.D
 Acq: 13 Dec 2022 14:50

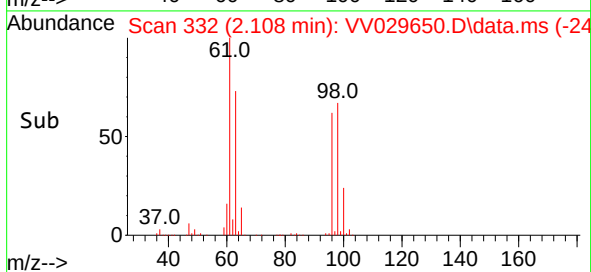
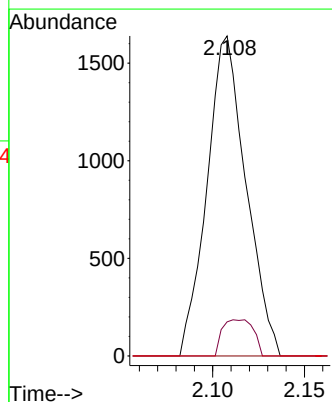
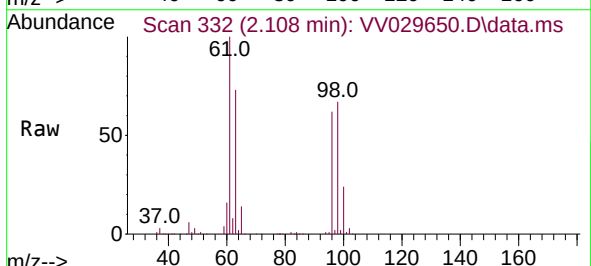
Instrument :
 MSVOA_V
 ClientSampleId :
 EXZ91

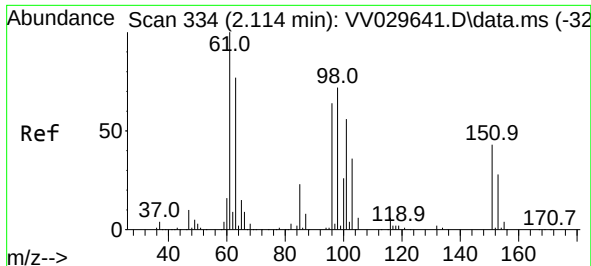
Tgt Ion:101 Resp: 11362
 Ion Ratio Lower Upper
 101 100
 103 62.4 51.8 77.8



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.982 ug/L
 RT: 2.108 min Scan# 332
 Delta R.T. -0.007 min
 Lab File: VV029650.D
 Acq: 13 Dec 2022 14:50

Tgt Ion:101 Resp: 2427
 Ion Ratio Lower Upper
 101 100
 85 9.0 33.6 50.4#
 151 0.0 63.5 95.3#





#12

1,1-Dichloroethene

Concen: 139.942 ug/L

RT: 2.114 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV029650.D

Acq: 13 Dec 2022 14:50

Instrument :

MSVOA_V

ClientSampleId :

EXZ91

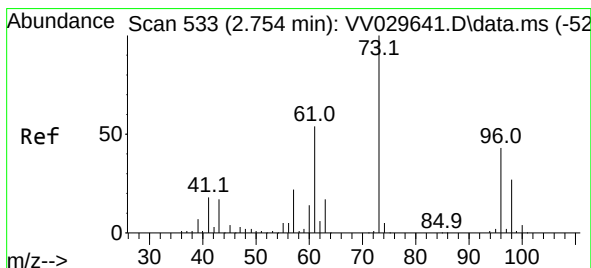
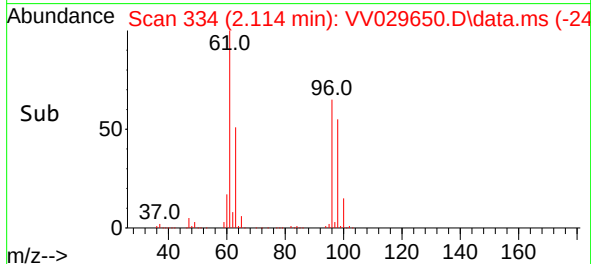
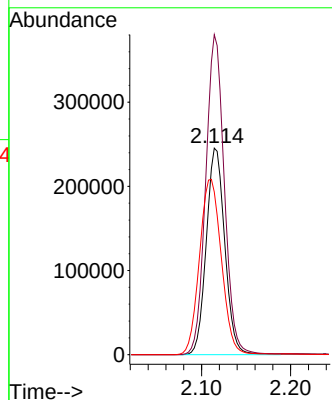
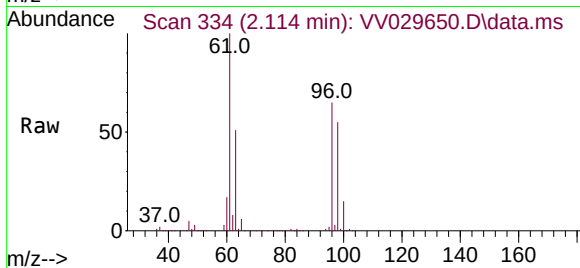
Tgt Ion: 96 Resp: 353712

Ion Ratio Lower Upper

96 100

61 154.9 103.3 191.9

63 78.8 77.3 143.7



#17

trans-1,2-Dichloroethene

Concen: 5.418 ug/L

RT: 2.757 min Scan# 534

Delta R.T. 0.003 min

Lab File: VV029650.D

Acq: 13 Dec 2022 14:50

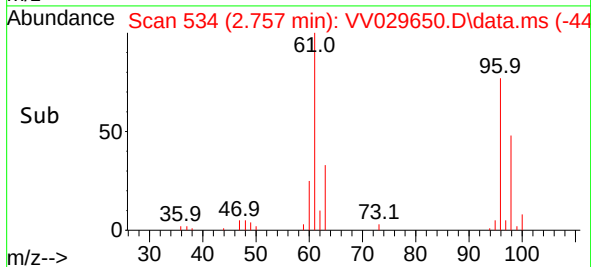
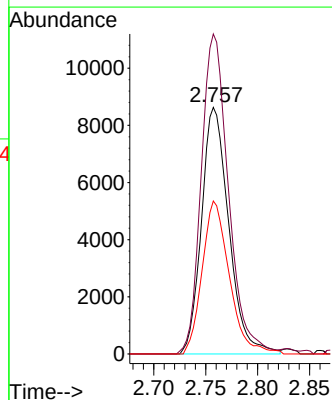
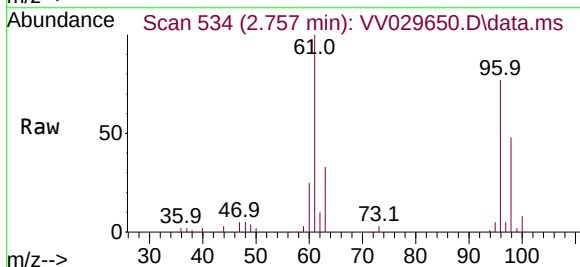
Tgt Ion: 96 Resp: 15778

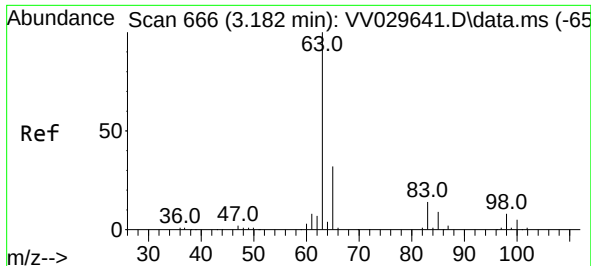
Ion Ratio Lower Upper

96 100

61 129.8 86.4 160.4

98 62.1 43.4 80.6





#19

1,1-Dichloroethane

Concen: 183.769 ug/L

RT: 3.182 min Scan# 6

Delta R.T. -0.000 min

Lab File: VV029650.D

Acq: 13 Dec 2022 14:50

Instrument :

MSVOA_V

ClientSampleId :

EXZ91

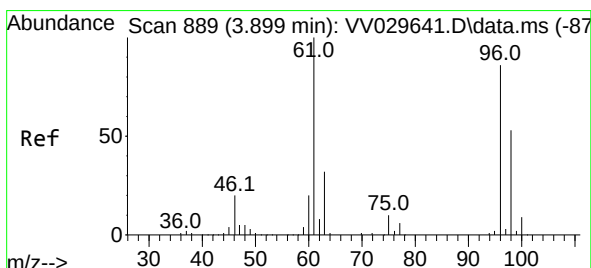
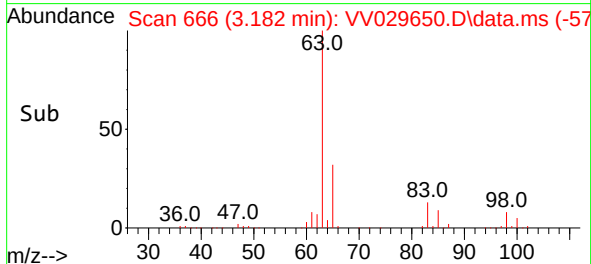
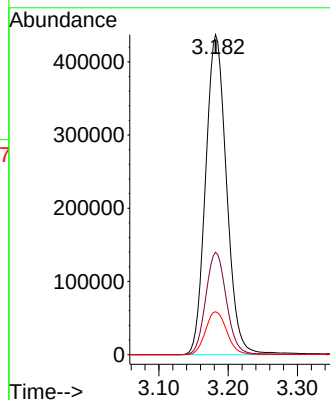
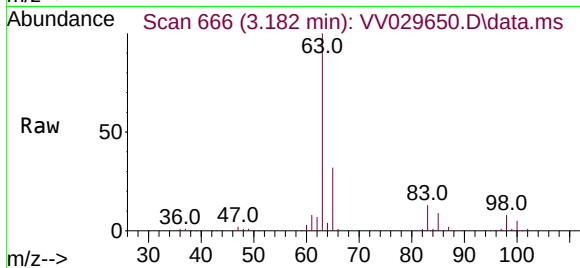
Tgt Ion: 63 Resp: 916868

Ion Ratio Lower Upper

63 100

65 32.0 22.5 41.7

83 13.4 10.4 19.2



#20

cis-1,2-Dichloroethene

Concen: 83.519 ug/L

RT: 3.902 min Scan# 890

Delta R.T. 0.003 min

Lab File: VV029650.D

Acq: 13 Dec 2022 14:50

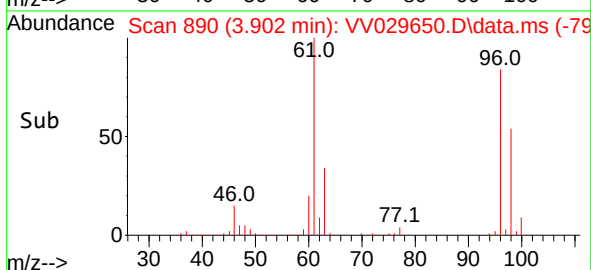
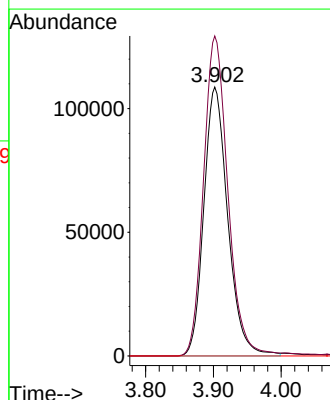
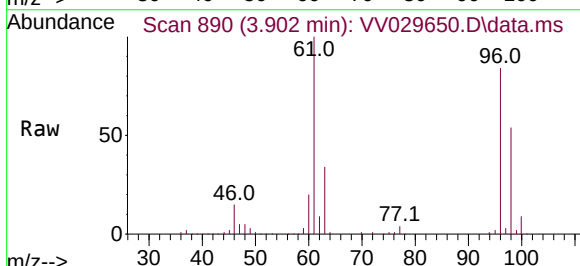
Tgt Ion: 96 Resp: 267466

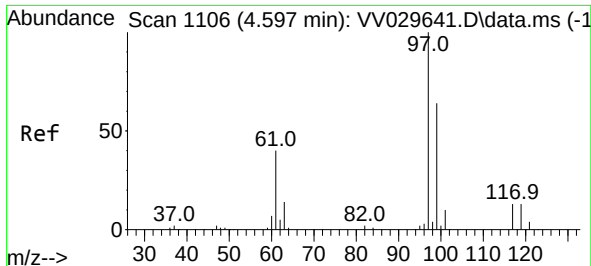
Ion Ratio Lower Upper

96 100

61 119.0 78.0 144.9

68 0.0 0.0 0.0

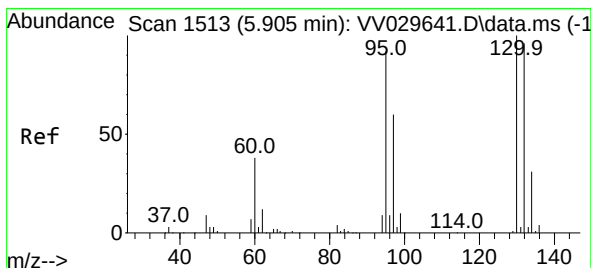
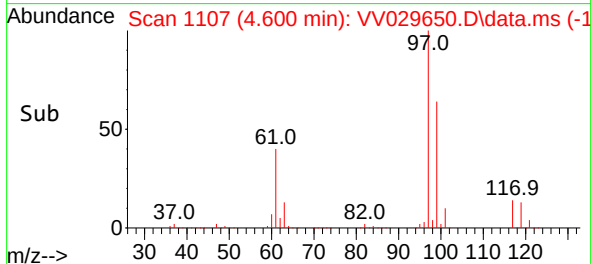
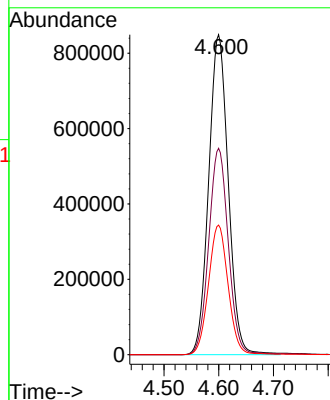
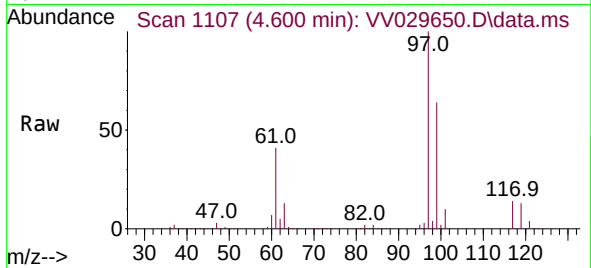




#30
1,1,1-Trichloroethane
Concen: 442.377 ug/L
RT: 4.600 min Scan# 1106
Delta R.T. 0.003 min
Lab File: VV029650.D
Acq: 13 Dec 2022 14:50

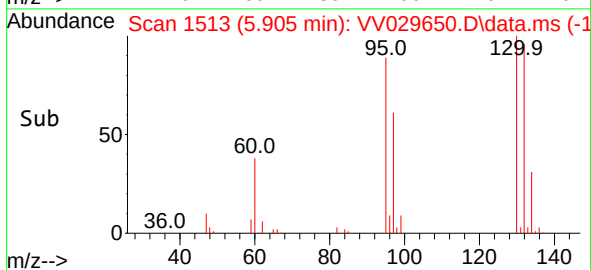
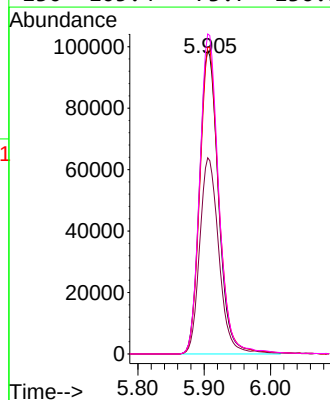
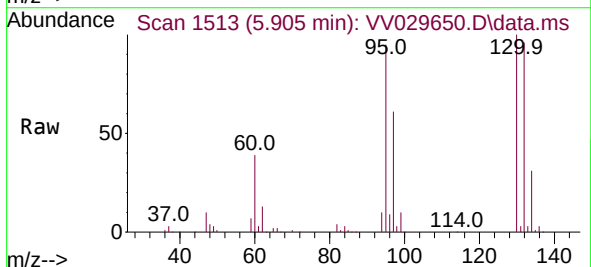
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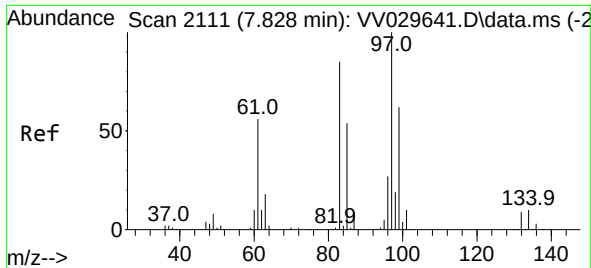
Tgt Ion: 97 Resp: 2110052
Ion Ratio Lower Upper
97 100
99 64.6 52.1 78.1
61 40.4 31.8 47.8



#34
Trichloroethene
Concen: 63.882 ug/L
RT: 5.905 min Scan# 1513
Delta R.T. -0.000 min
Lab File: VV029650.D
Acq: 13 Dec 2022 14:50

Tgt Ion: 95 Resp: 197543
Ion Ratio Lower Upper
95 100
97 64.6 44.0 81.8
132 101.0 69.9 129.9
130 105.4 73.7 136.9

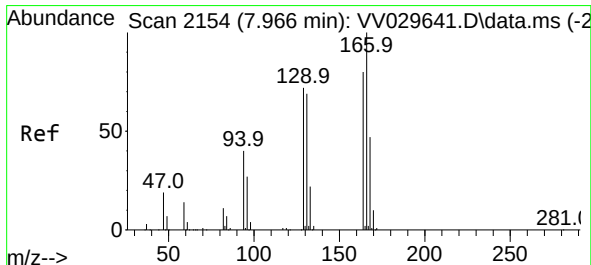
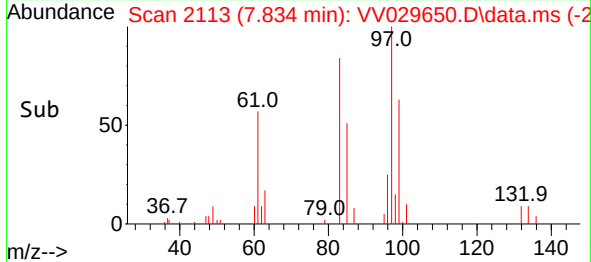
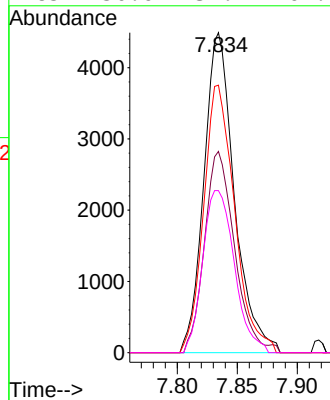
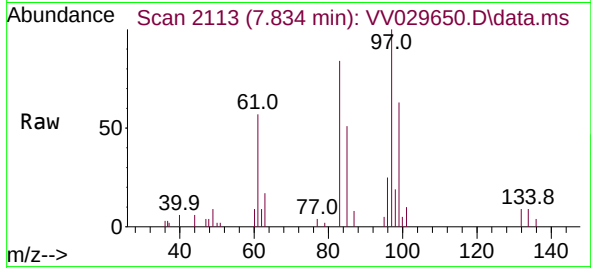




#45
1,1,2-Trichloroethane
Concen: 2.580 ug/L
RT: 7.834 min Scan# 2111
Delta R.T. 0.006 min
Lab File: VV029650.D
Acq: 13 Dec 2022 14:50

Instrument :
MSVOA_V
ClientSampleId :
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Tgt Ion: 97	Resp: 7938
Ion Ratio	Lower Upper
97 100	
99 62.9	43.8 81.3
83 83.6	58.6 108.8
85 50.6	37.2 69.2



#46
Tetrachloroethene
Concen: 93.125 ug/L
RT: 7.966 min Scan# 2154
Delta R.T. -0.000 min
Lab File: VV029650.D
Acq: 13 Dec 2022 14:50

Tgt	Ion:164	Resp:	231526
Ion	Ratio	Lower	Upper
164	100		
129	91.6	65.3	121.3
131	89.0	63.1	117.1
166	127.9	90.8	168.6

