

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV103023\
 Data File : VV032768.D
 Acq On : 30 Oct 2023 13:40
 Operator : SY/MD
 Sample : 05019-17
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A49Q8

Quant Time: Oct 31 02:26:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Oct 31 02:23:31 2023
 Response via : Initial Calibration

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

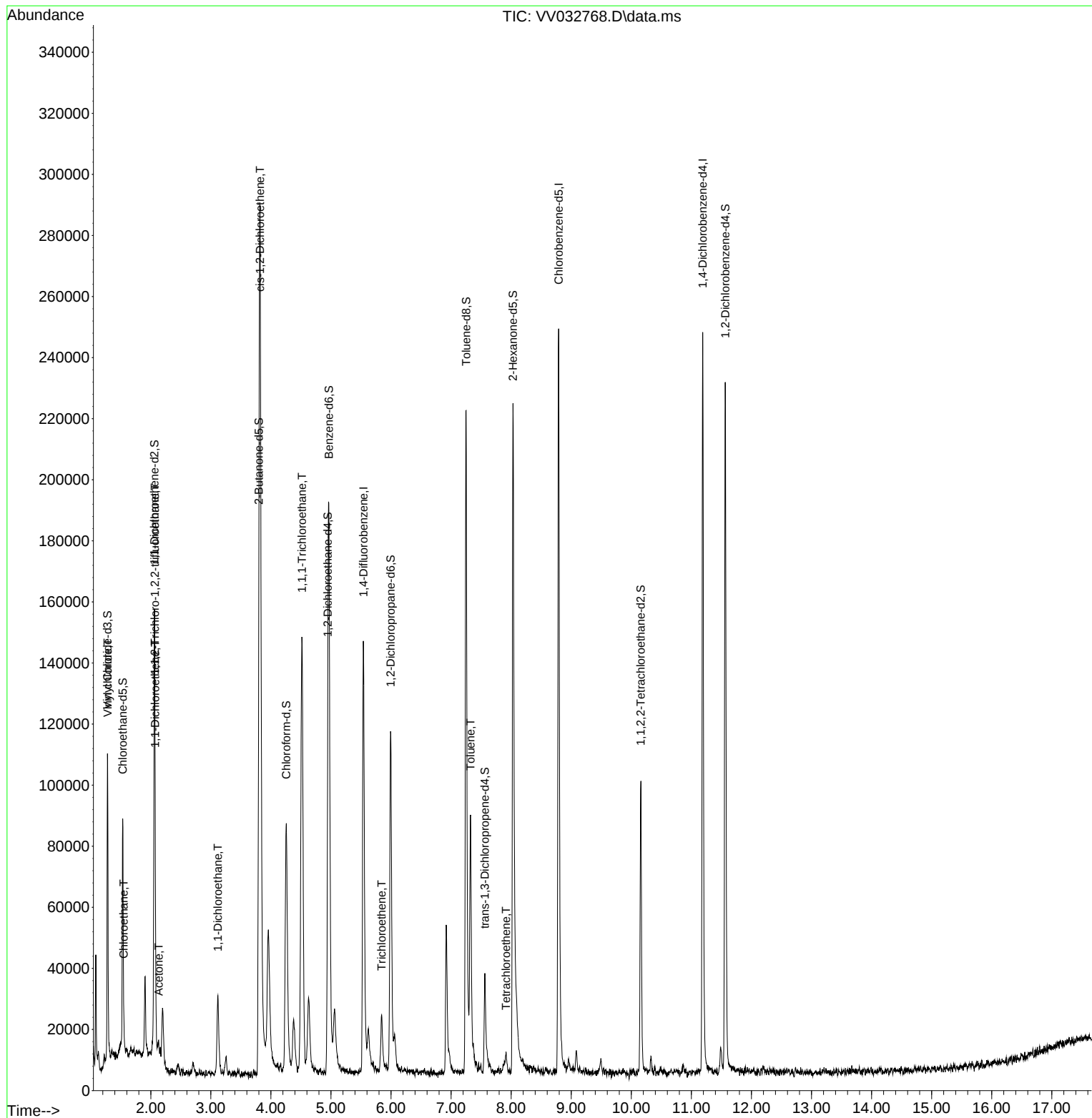
Internal Standards						
1) 1,4-Difluorobenzene	5.539	114	124046	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	144142	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	63142	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	46141	4.529	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.600%
7) Chloroethane-d5	1.532	69	48237	5.572	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	111.400%
11) 1,1-Dichloroethene-d2	2.060	65	20610	4.507	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.200%
20) 2-Butanone-d5	3.799	46	92381	41.992	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	83.980%
24) Chloroform-d	4.256	84	86512	5.114	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.200%
26) 1,2-Dichloroethane-d4	4.947	65	43885	5.255	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.000%
32) Benzene-d6	4.963	84	172031	5.013	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.200%
36) 1,2-Dichloropropane-d6	5.992	67	52091	5.242	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.800%
41) Toluene-d8	7.249	98	159491	4.585	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.600%
43) trans-1,3-Dichloroprop...	7.561	79	19508	4.449	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.000%
46) 2-Hexanone-d5	8.027	63	76073	43.774	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	87.540%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	44419	5.026	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.600%
66) 1,2-Dichlorobenzene-d4	11.564	152	58402	5.664	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	113.200%
Target Compounds						Qvalue
5) Vinyl chloride	1.282	62	21824	1.464	ug/L	94
8) Chloroethane	1.548	64	2679	0.275	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	10326	0.873	ug/L	94
12) 1,1-Dichloroethene	2.073	96	2381	0.215	ug/L #	1
13) Acetone	2.130	43	4152	1.912	ug/L	69
19) 1,1-Dichloroethane	3.118	63	25357	1.305	ug/L	93
22) cis-1,2-Dichloroethene	3.818	96	143807	12.938	ug/L	96
29) 1,1,1-Trichloroethane	4.516	97	116886	6.287	ug/L	99
34) Trichloroethene	5.844	95	5985	0.493	ug/L	90
42) Toluene	7.323	91	65107	1.233	ug/L	97
47) Tetrachloroethene	7.912	164	1632	0.152	ug/L #	73

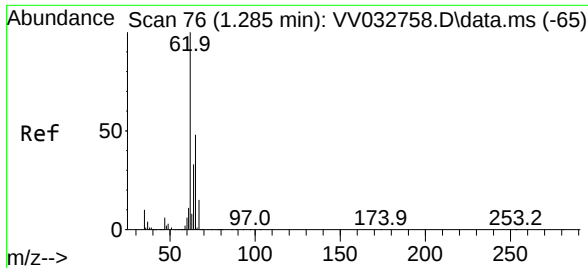
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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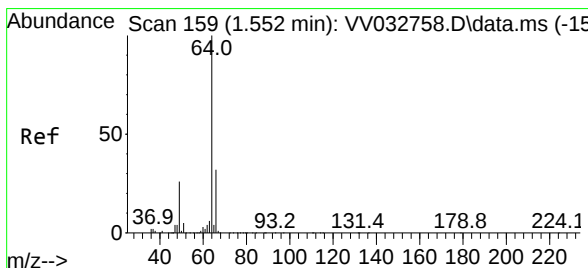
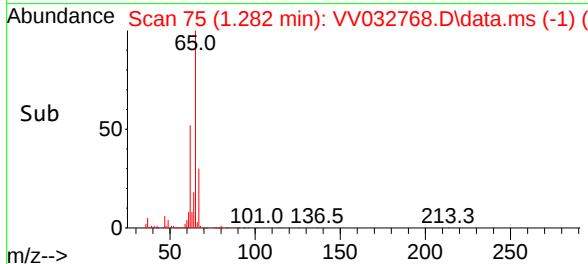
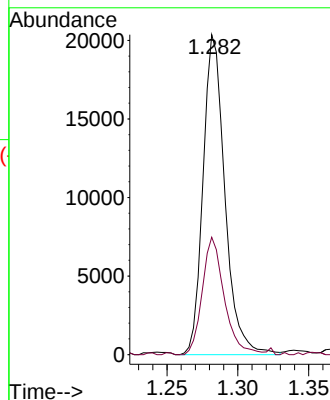
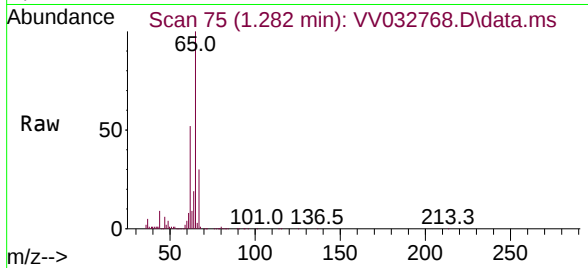




#5
 Vinyl chloride
 Concen: 1.464 ug/L
 RT: 1.282 min Scan# 75
 Delta R.T. -0.003 min
 Lab File: VV032768.D
 Acq: 30 Oct 2023 13:40

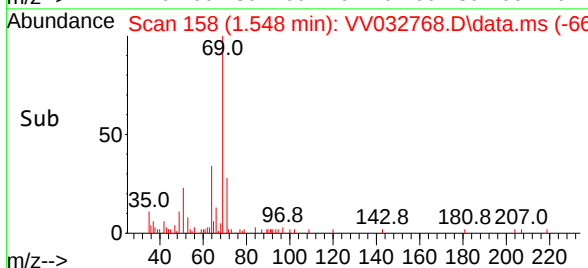
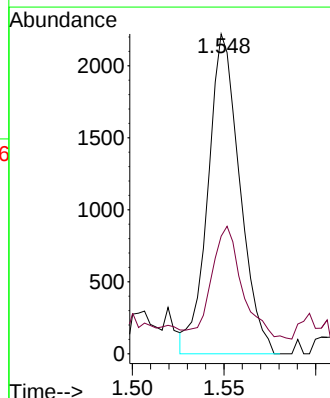
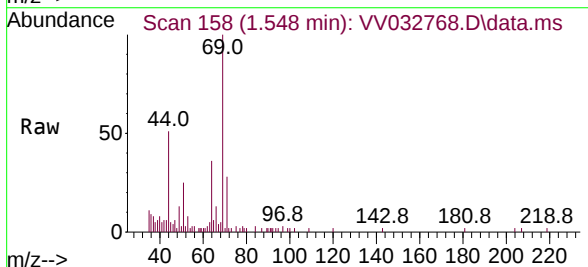
Instrument :
 MSVOA_V
 ClientSampleId :
 A49Q8

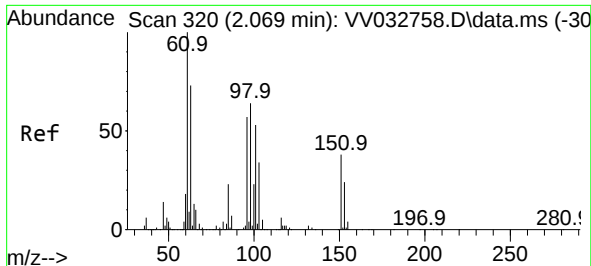
Tgt Ion: 62 Resp: 21824
 Ion Ratio Lower Upper
 62 100
 64 36.7 23.2 43.0



#8
 Chloroethane
 Concen: 0.275 ug/L
 RT: 1.548 min Scan# 158
 Delta R.T. -0.003 min
 Lab File: VV032768.D
 Acq: 30 Oct 2023 13:40

Tgt Ion: 64 Resp: 2679
 Ion Ratio Lower Upper
 64 100
 66 31.6 22.3 41.5

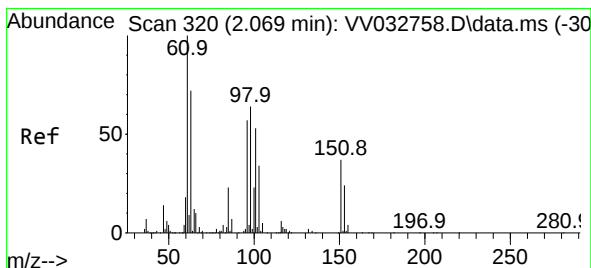
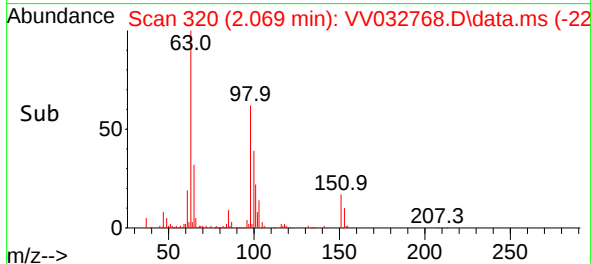
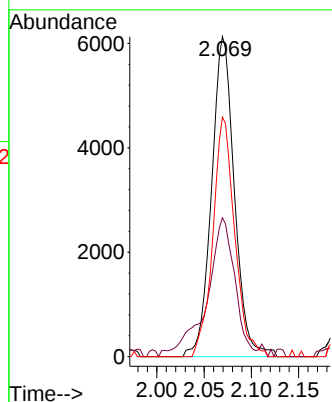
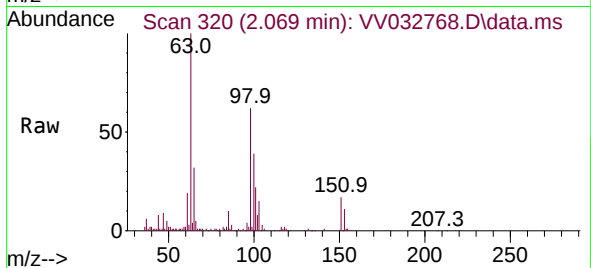




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.873 ug/L
 RT: 2.069 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VV032768.D
 Acq: 30 Oct 2023 13:40

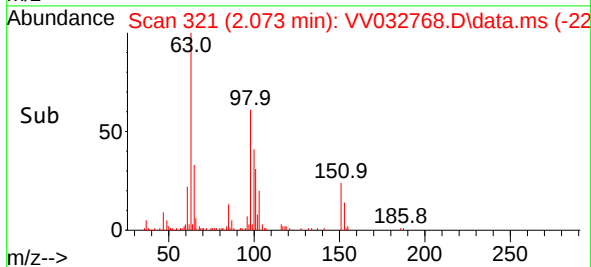
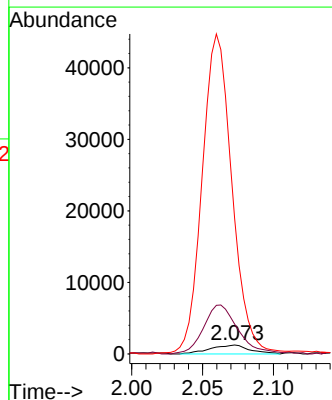
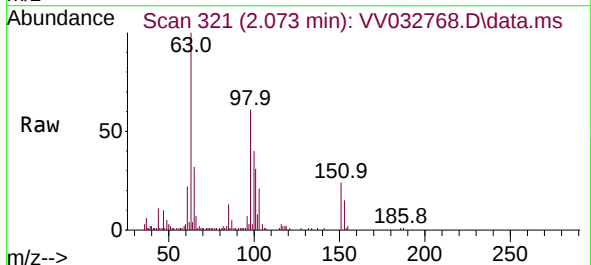
Instrument :
 MSVOA_V
 ClientSampleId :
 A49Q8

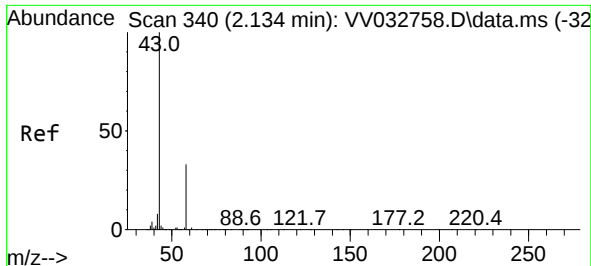
Tgt Ion: 101 Resp: 10326
 Ion Ratio Lower Upper
 101 100
 85 53.1 36.2 54.4
 151 71.6 59.0 88.6



#12
 1,1-Dichloroethene
 Concen: 0.215 ug/L
 RT: 2.073 min Scan# 321
 Delta R.T. 0.003 min
 Lab File: VV032768.D
 Acq: 30 Oct 2023 13:40

Tgt Ion: 96 Resp: 2381
 Ion Ratio Lower Upper
 96 100
 61 336.4 122.3 227.1#
 63 1527.9 89.4 166.0#





#13

Acetone

Concen: 1.912 ug/L

RT: 2.130 min Scan# 340

Delta R.T. -0.003 min

Lab File: VV032768.D

Acq: 30 Oct 2023 13:40

Instrument :

MSVOA_V

ClientSampleId :

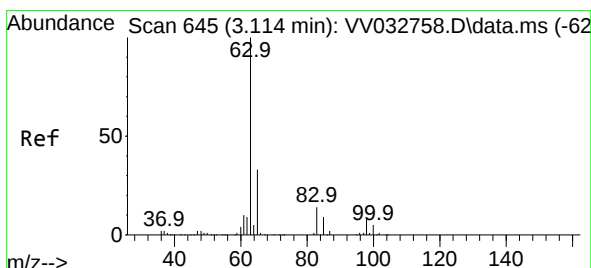
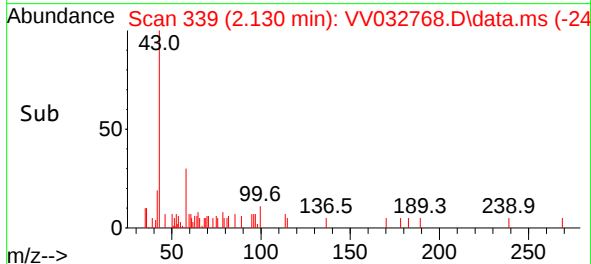
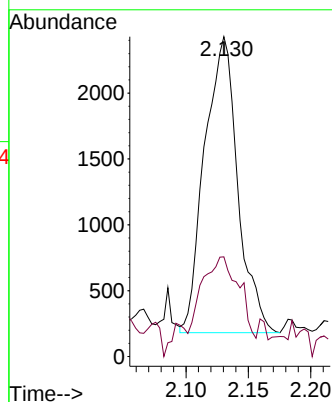
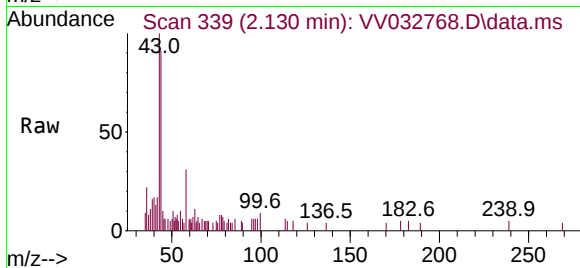
A49Q8

Tgt Ion: 43 Resp: 4152

Ion Ratio Lower Upper

43 100

58 40.7 0.0 50.6



#19

1,1-Dichloroethane

Concen: 1.305 ug/L

RT: 3.118 min Scan# 646

Delta R.T. 0.003 min

Lab File: VV032768.D

Acq: 30 Oct 2023 13:40

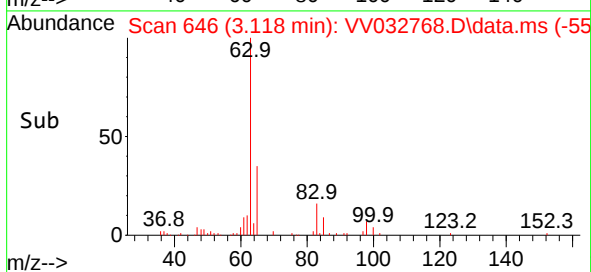
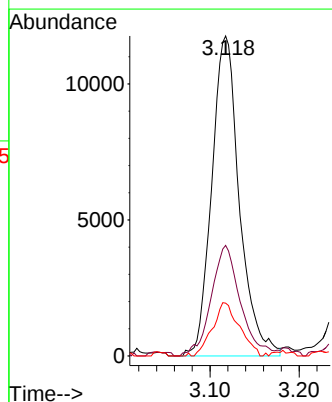
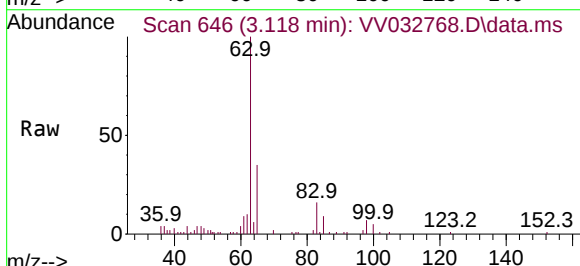
Tgt Ion: 63 Resp: 25357

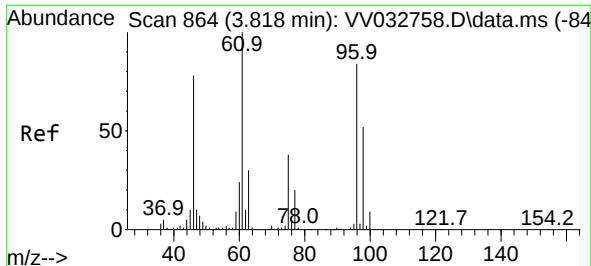
Ion Ratio Lower Upper

63 100

65 34.5 21.5 39.9

83 16.5 9.2 17.0

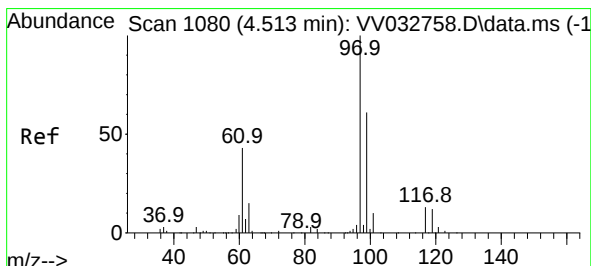
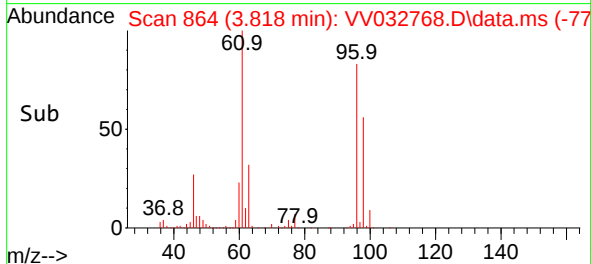
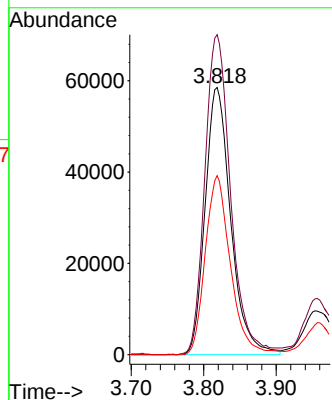
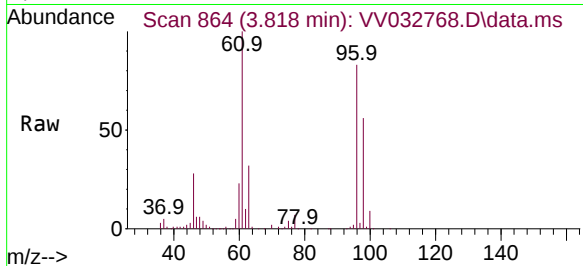




#22
 cis-1,2-Dichloroethene
 Concen: 12.938 ug/L
 RT: 3.818 min Scan# 864
 Delta R.T. -0.000 min
 Lab File: VV032768.D
 Acq: 30 Oct 2023 13:40

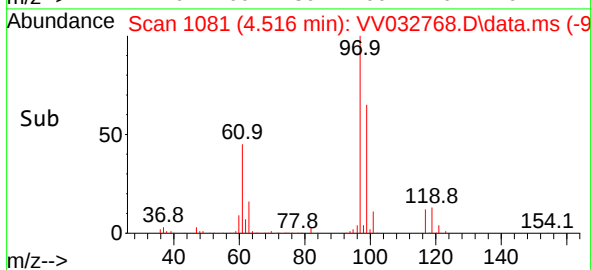
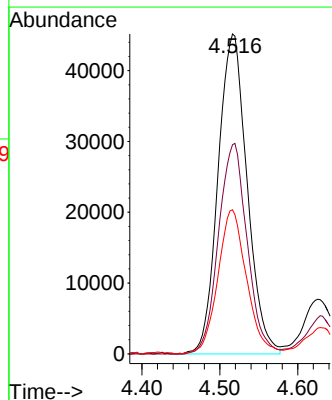
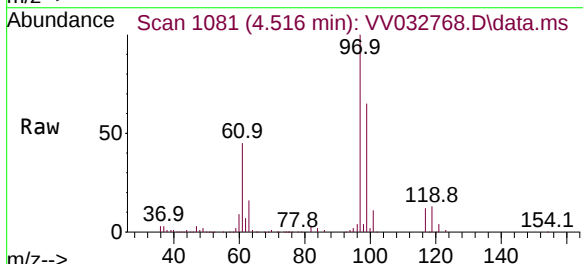
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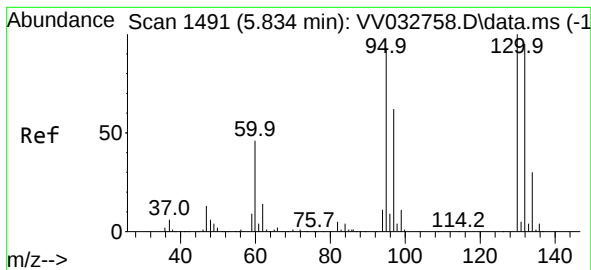
Tgt Ion: 96 Resp: 143807
 Ion Ratio Lower Upper
 96 100
 61 119.8 87.7 162.9
 98 67.0 45.0 83.6



#29
 1,1,1-Trichloroethane
 Concen: 6.287 ug/L
 RT: 4.516 min Scan# 1081
 Delta R.T. 0.003 min
 Lab File: VV032768.D
 Acq: 30 Oct 2023 13:40

Tgt Ion: 97 Resp: 116886
 Ion Ratio Lower Upper
 97 100
 99 64.9 51.4 77.0
 61 44.6 36.1 54.1





#34

Trichloroethene

Concen: 0.493 ug/L

RT: 5.844 min Scan# 1491

Delta R.T. 0.010 min

Lab File: VV032768.D

Acq: 30 Oct 2023 13:40

Instrument :

MSVOA_V

ClientSampleId :

A49Q8

Tgt Ion: 95 Resp: 5985

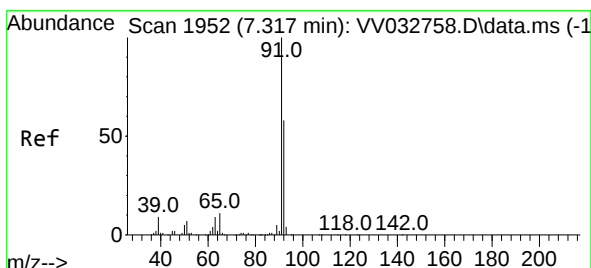
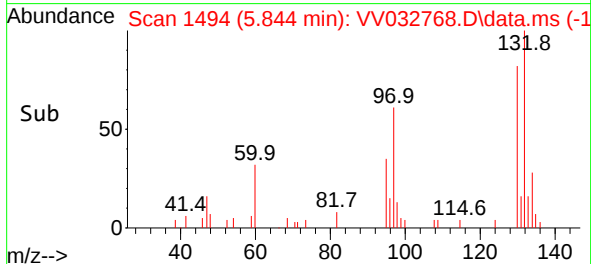
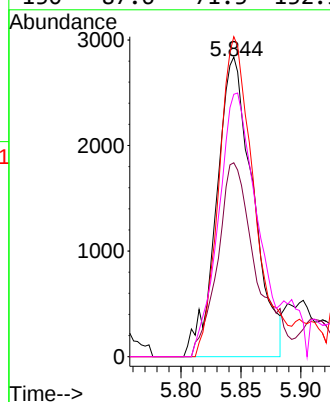
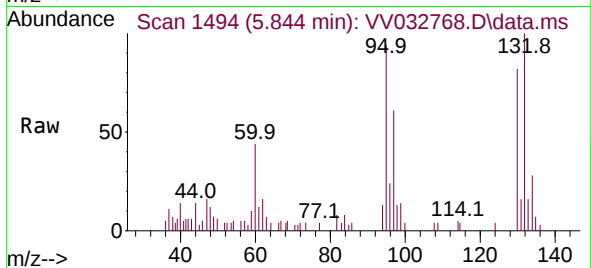
Ion Ratio Lower Upper

95 100

97 64.7 44.0 81.8

132 106.8 66.9 124.3

130 87.6 71.3 132.3



#42

Toluene

Concen: 1.233 ug/L

RT: 7.323 min Scan# 1954

Delta R.T. 0.006 min

Lab File: VV032768.D

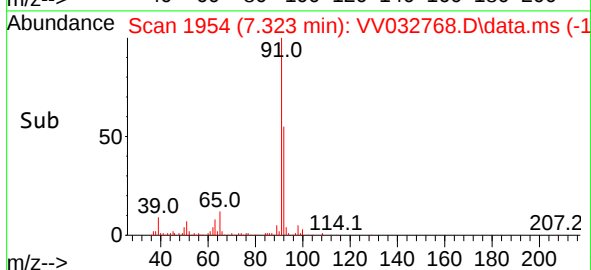
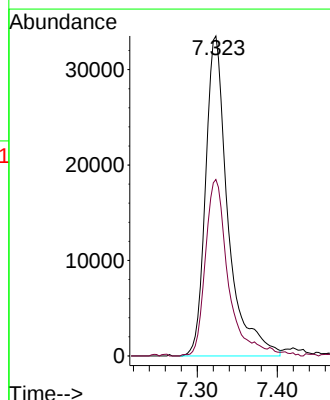
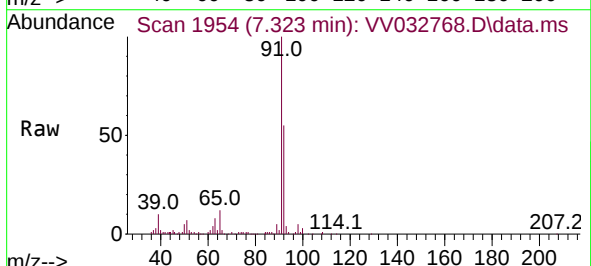
Acq: 30 Oct 2023 13:40

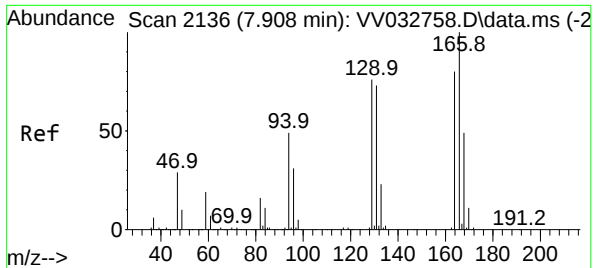
Tgt Ion: 91 Resp: 65107

Ion Ratio Lower Upper

91 100

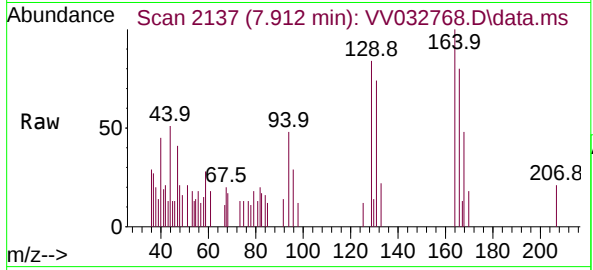
92 55.1 39.9 74.1





#47
 Tetrachloroethene
 Concen: 0.152 ug/L
 RT: 7.912 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VV032768.D
 Acq: 30 Oct 2023 13:40

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Tgt Ion:164 Resp: 1632

Ion	Ratio	Lower	Upper
164	100		
129	84.0	65.3	121.3
131	74.1	66.6	123.8
166	79.5	91.6	170.2#

