

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW060723\
 Data File : VW031402.D
 Acq On : 07 Jun 2023 16:26
 Operator : SY/MD
 Sample : 03076-04
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0F83

Quant Time: Jun 08 04:25:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM060723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 08 04:14:38 2023
 Response via : Initial Calibration

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

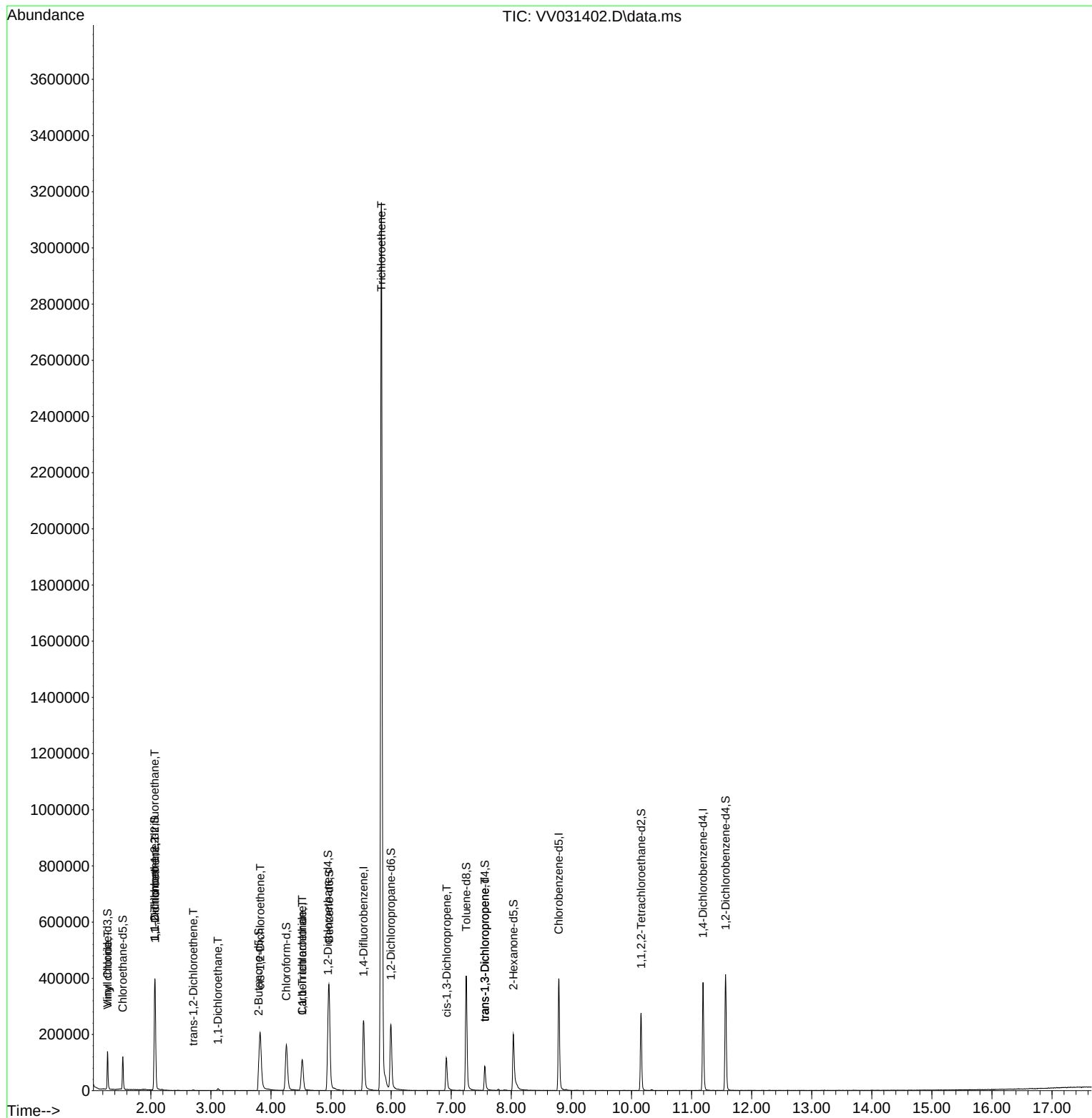
Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	204690	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	204854	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	96807	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	89049	49.446	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.900%
7) Chloroethane-d5	1.532	69	74885	51.360	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.720%
11) 1,1-Dichloroethene-d2	2.063	65	42448	49.732	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.460%
21) 2-Butanone-d5	3.796	46	129167	99.243	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.240%
24) Chloroform-d	4.256	84	172797	50.441	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.880%
26) 1,2-Dichloroethane-d4	4.947	65	121151	52.717	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.440%
32) Benzene-d6	4.966	84	318240	52.618	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.240%
36) 1,2-Dichloropropane-d6	5.995	67	111773	53.168	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.340%
41) Toluene-d8	7.249	98	275150	49.524	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.040%
43) trans-1,3-Dichloroprop...	7.558	79	53429	50.454	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.900%
47) 2-Hexanone-d5	8.034	63	65986	83.337	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	83.340%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	128452	48.416	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.840%
66) 1,2-Dichlorobenzene-d4	11.567	152	101621	56.588	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	113.180%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.282	62	912	1.148	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	1497	1.207	ug/L #	26
12) 1,1-Dichloroethene	2.073	96	65700	80.457	ug/L	79
17) trans-1,2-Dichloroethene	2.706	96	697	0.900	ug/L	82
19) 1,1-Dichloroethane	3.118	63	6112	2.282	ug/L	97
20) cis-1,2-Dichloroethene	3.822	96	90707	72.063	ug/L	98
30) 1,1,1-Trichloroethane	4.519	97	90794	37.548	ug/L	100
31) Carbon tetrachloride	4.519	117	10513	5.234	ug/L	96
34) Trichloroethene	5.838	95	1129900	793.432	ug/L	100
39) cis-1,3-Dichloropropene	6.924	75	3123	1.285	ug/L #	77
44) trans-1,3-Dichloropropene	7.558	75	2374	0.963	ug/L #	48

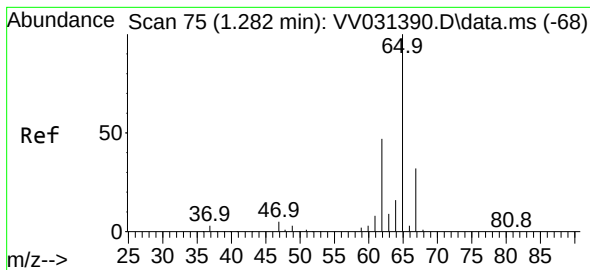
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jun 08 04:14:38 2023
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.148 ug/L

RT: 1.282 min Scan# 71

Delta R.T. 0.000 min

Lab File: VV031402.D

Acq: 07 Jun 2023 16:26

Instrument :

MSVOA_V

ClientSampleId :

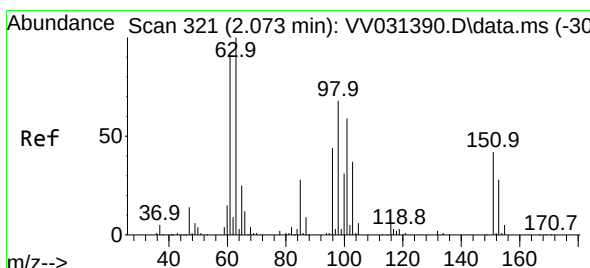
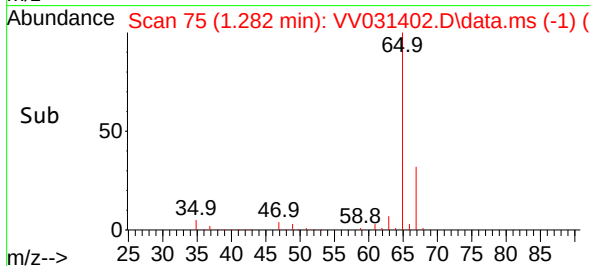
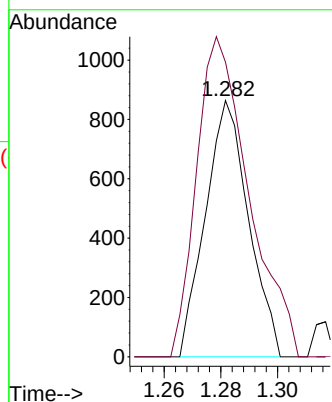
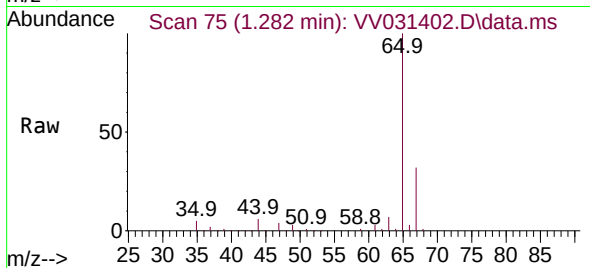
C0F83

Tgt Ion: 62 Resp: 912

Ion Ratio Lower Upper

62 100

64 114.9 23.7 43.9#



#10

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

Concen: 1.207 ug/L

RT: 2.063 min Scan# 318

Delta R.T. -0.010 min

Lab File: VV031402.D

Acq: 07 Jun 2023 16:26

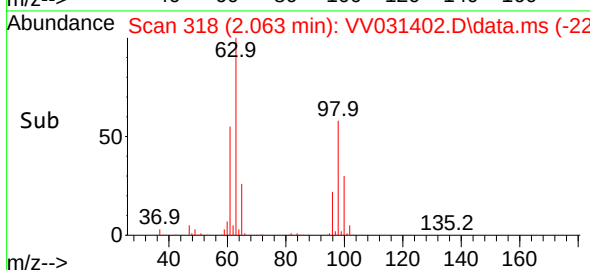
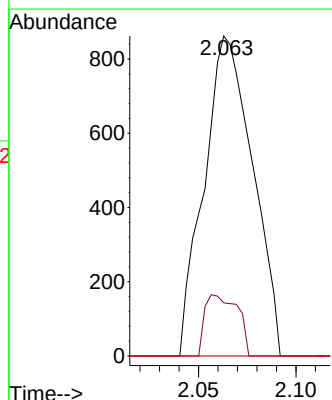
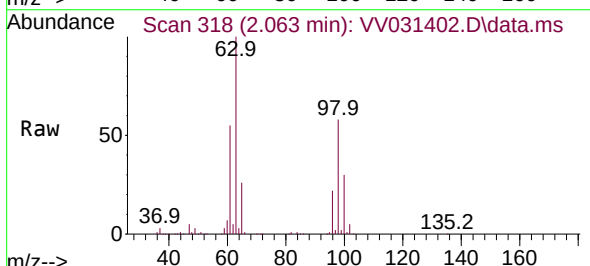
Tgt Ion: 101 Resp: 1497

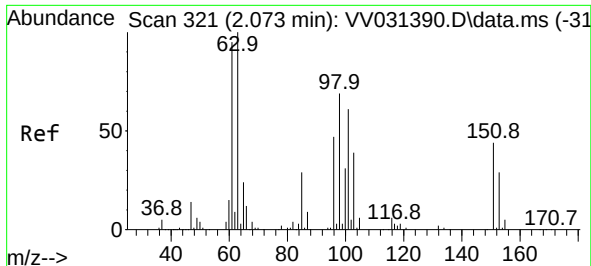
Ion Ratio Lower Upper

101 100

85 9.6 37.3 55.9#

151 0.0 57.8 86.6#

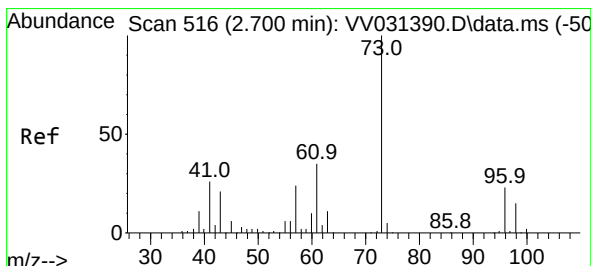
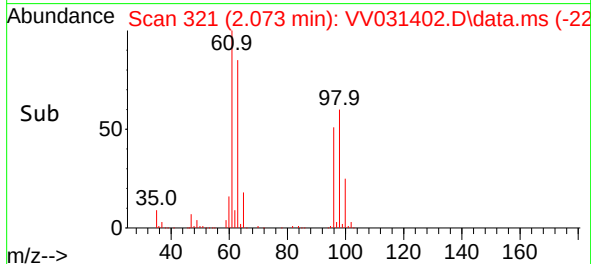
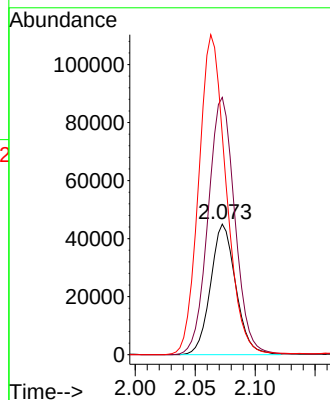
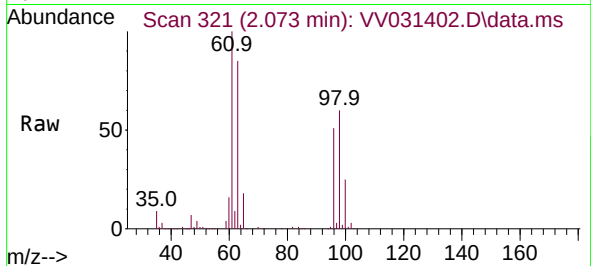




#12
1,1-Dichloroethene
Concen: 80.457 ug/L
RT: 2.073 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV031402.D
Acq: 07 Jun 2023 16:26

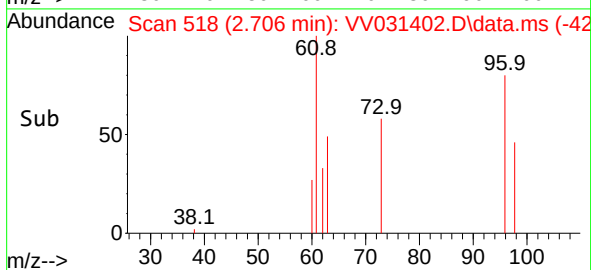
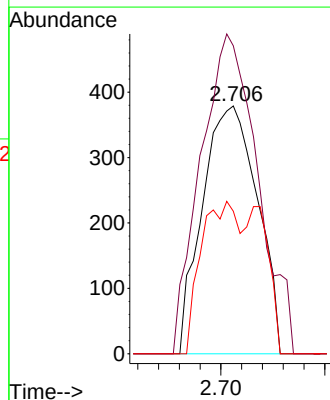
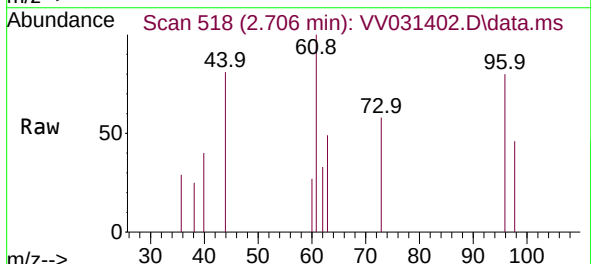
Instrument :
MSVOA_V
ClientSampleId :
C0F83

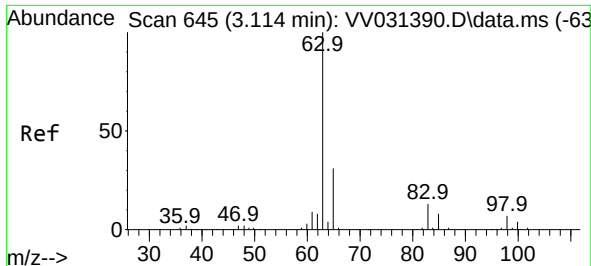
Tgt Ion: 96 Resp: 65700
Ion Ratio Lower Upper
96 100
61 197.1 143.9 267.3
63 168.3 158.3 293.9



#17
trans-1,2-Dichloroethene
Concen: 0.900 ug/L
RT: 2.706 min Scan# 518
Delta R.T. 0.006 min
Lab File: VV031402.D
Acq: 07 Jun 2023 16:26

Tgt Ion: 96 Resp: 697
Ion Ratio Lower Upper
96 100
61 124.3 106.9 198.5
98 57.5 44.9 83.3





#19

1,1-Dichloroethane

Concen: 2.282 ug/L

RT: 3.118 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV031402.D

Acq: 07 Jun 2023 16:26

Instrument :

MSVOA_V

ClientSampleId :

C0F83

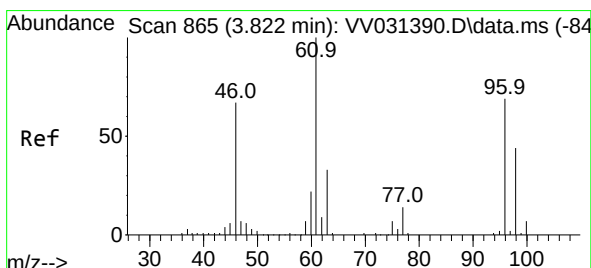
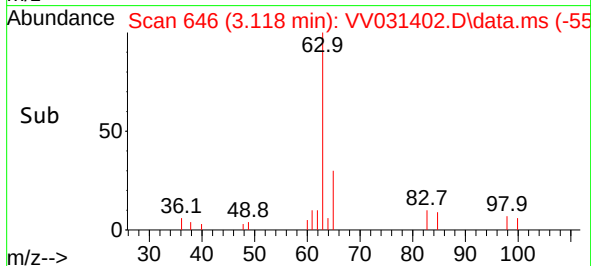
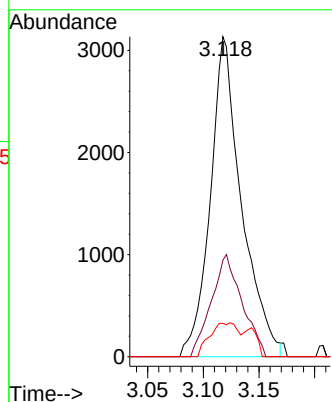
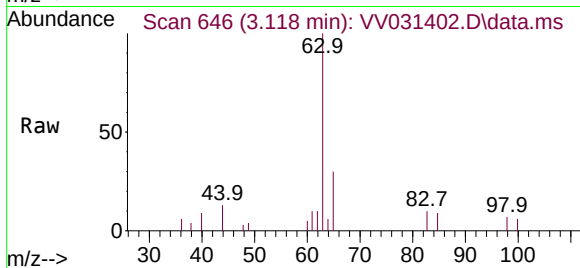
Tgt Ion: 63 Resp: 6112

Ion Ratio Lower Upper

63 100

65 30.2 21.4 39.8

83 10.4 9.3 17.3



#20

cis-1,2-Dichloroethene

Concen: 72.063 ug/L

RT: 3.822 min Scan# 865

Delta R.T. 0.000 min

Lab File: VV031402.D

Acq: 07 Jun 2023 16:26

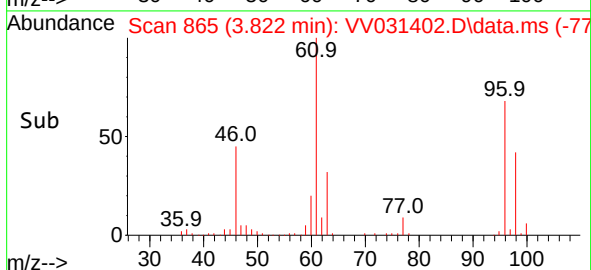
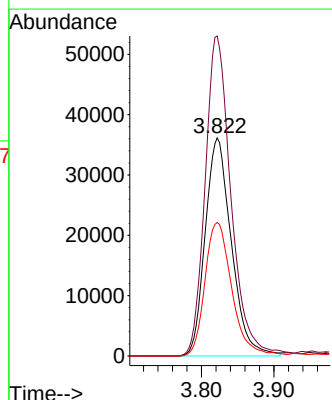
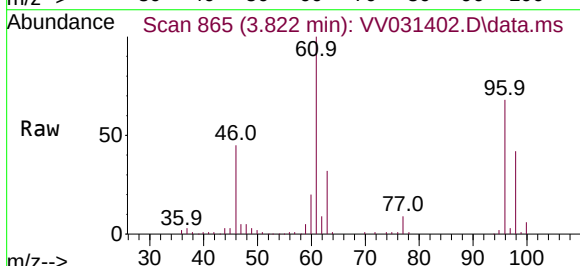
Tgt Ion: 96 Resp: 90707

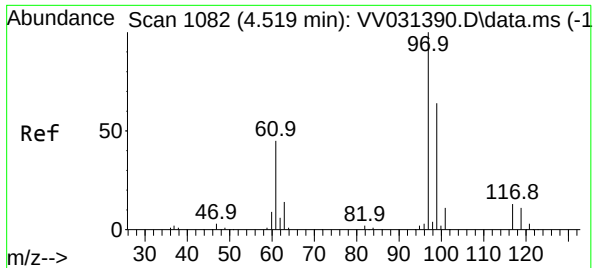
Ion Ratio Lower Upper

96 100

61 146.7 101.6 188.6

98 61.2 44.4 82.4





#30

1,1,1-Trichloroethane

Concen: 37.548 ug/L

RT: 4.519 min Scan# 1082

Delta R.T. 0.000 min

Lab File: VV031402.D

Acq: 07 Jun 2023 16:26

Instrument :

MSVOA_V

ClientSampleId :

C0F83

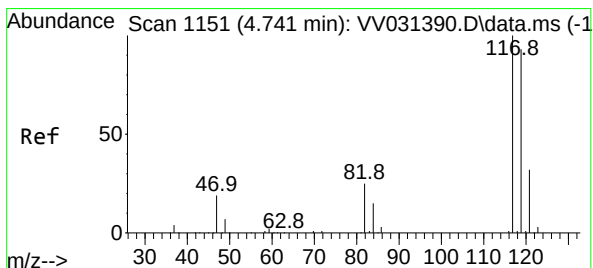
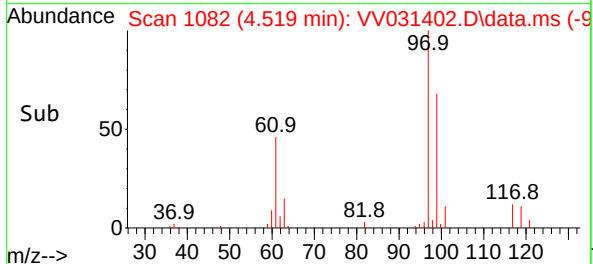
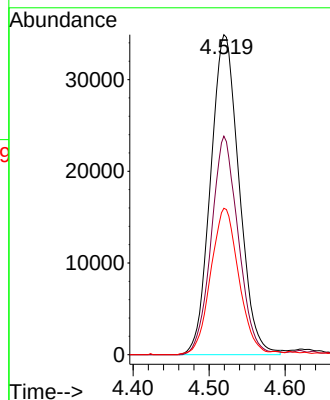
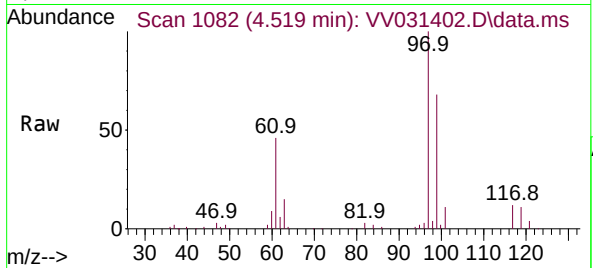
Tgt Ion: 97 Resp: 90794

Ion Ratio Lower Upper

97 100

99 64.7 51.9 77.9

61 45.1 36.1 54.1



#31

Carbon tetrachloride

Concen: 5.234 ug/L

RT: 4.519 min Scan# 1082

Delta R.T. -0.222 min

Lab File: VV031402.D

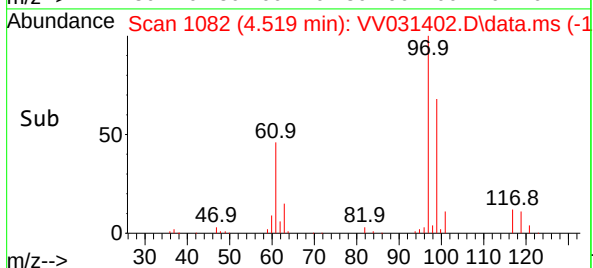
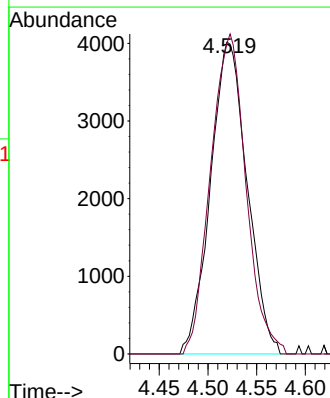
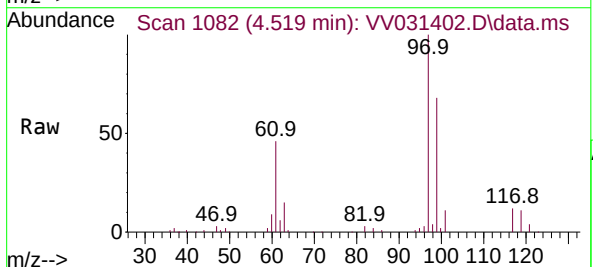
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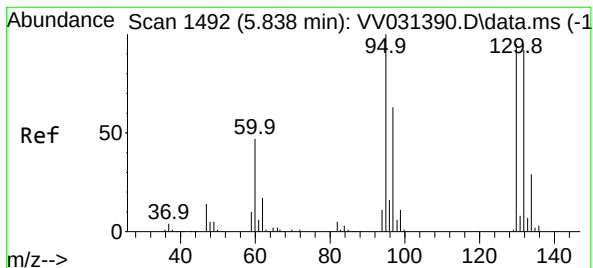
Tgt Ion: 117 Resp: 10513

Ion Ratio Lower Upper

117 100

119 98.9 75.8 113.6





#34

Trichloroethene

Concen: 793.432 ug/L

RT: 5.838 min Scan# 14

Delta R.T. 0.000 min

Lab File: VV031402.D

Acq: 07 Jun 2023 16:26

Instrument :

MSVOA_V

ClientSampleId :

C0F83

Tgt Ion: 95 Resp: 1129900

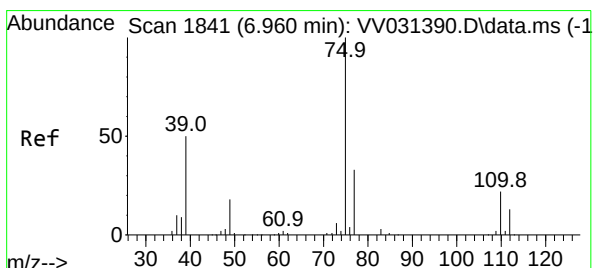
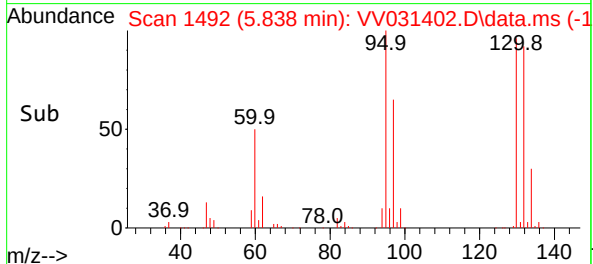
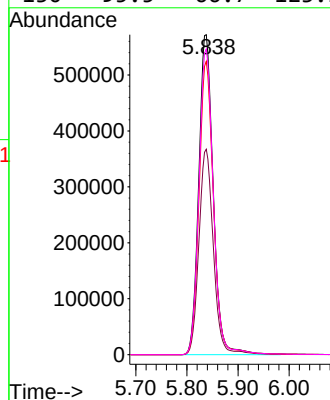
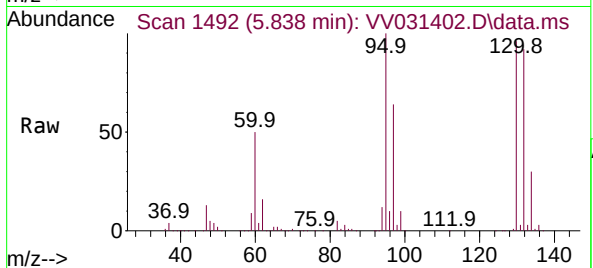
Ion Ratio Lower Upper

95 100

97 64.2 44.2 82.0

132 91.6 64.2 119.2

130 95.5 66.7 123.9



#39

cis-1,3-Dichloropropene

Concen: 1.285 ug/L

RT: 6.924 min Scan# 1830

Delta R.T. -0.035 min

Lab File: VV031402.D

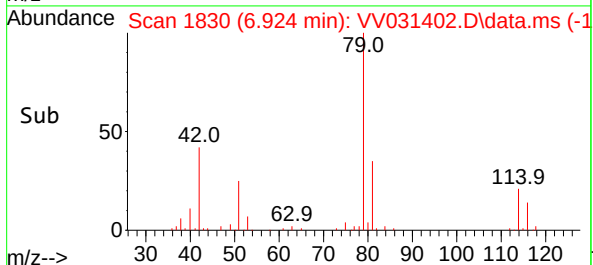
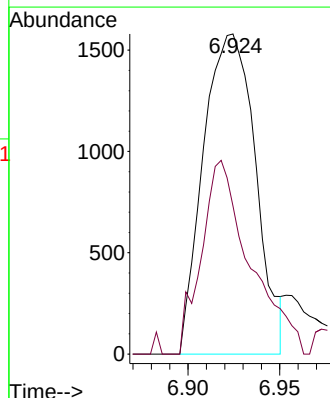
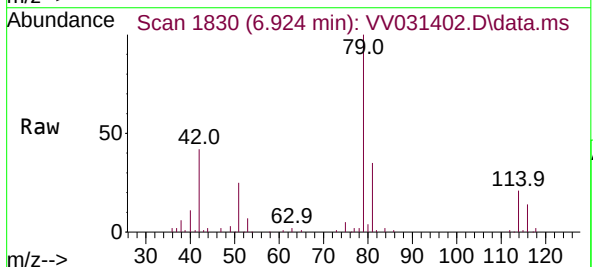
Acq: 07 Jun 2023 16:26

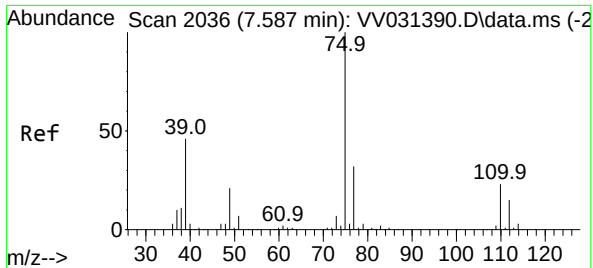
Tgt Ion: 75 Resp: 3123

Ion Ratio Lower Upper

75 100

77 46.2 23.2 43.2#





#44
 trans-1,3-Dichloropropene
 Concen: 0.963 ug/L
 RT: 7.558 min Scan# 20
 Delta R.T. -0.029 min
 Lab File: VV031402.D
 Acq: 07 Jun 2023 16:26

Instrument :
 MSVOA_V
 ClientSampleId :
 C0F83

Tgt Ion: 75 Resp: 2374
 Ion Ratio Lower Upper
 75 100
 77 60.7 22.2 41.2#

