

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW070323\
 Data File : VW031640.D
 Acq On : 03 Jul 2023 16:28
 Operator : SY/MD
 Sample : 03472-13ME
 Misc : 4.68g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A46S5ME

Quant Time: Jul 04 07:09:44 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM061423WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 04 07:06:08 2023
 Response via : Initial Calibration

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

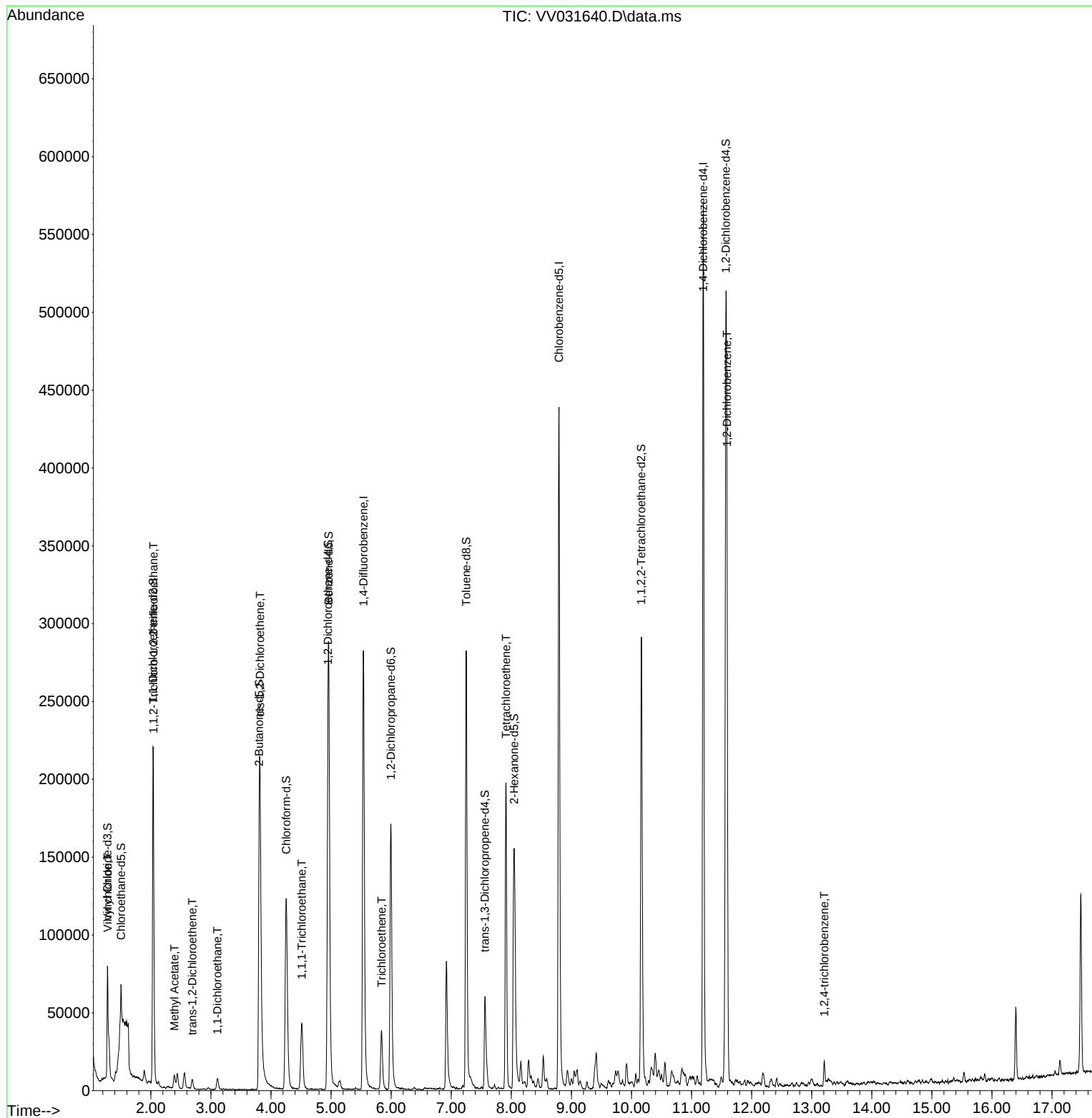
Internal Standards						
1) 1,4-Difluorobenzene	5.538	114	240304	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	244588	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	140254	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	61357	38.365	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.720%
7) Chloroethane-d5	1.503	69	26414	18.929	ug/L	-0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	37.860%#
11) 1,1-Dichloroethene-d2	2.037	65	31048	37.668	ug/L	-0.02
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.340%
21) 2-Butanone-d5	3.802	46	116136	89.680	ug/L	0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.680%
24) Chloroform-d	4.252	84	139770	34.896	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	69.800%#
26) 1,2-Dichloroethane-d4	4.947	65	91867	36.659	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	73.320%
32) Benzene-d6	4.960	84	231182	33.580	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	67.160%#
36) 1,2-Dichloropropane-d6	5.995	67	87932	36.036	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	72.080%
41) Toluene-d8	7.249	98	193035	30.555	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	61.100%#
43) trans-1,3-Dichloroprop...	7.561	79	40714	34.226	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.460%
47) 2-Hexanone-d5	8.046	63	77220	80.150	ug/L	0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	80.150%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	140342	38.104	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	76.200%
66) 1,2-Dichlorobenzene-d4	11.570	152	98562	36.866	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	73.740%#
Target Compounds						Qvalue
5) Vinyl chloride	1.281	62	9655	4.049	ug/L	88
10) 1,1,2-Trichloro-1,2,2-...	2.043	101	18547	8.725	ug/L	96
15) Methyl Acetate	2.391	43	12382	5.755	ug/L	97
17) trans-1,2-Dichloroethene	2.693	96	2272	1.224	ug/L	85
19) 1,1-Dichloroethane	3.108	63	8114	2.026	ug/L	93
20) cis-1,2-Dichloroethene	3.815	96	90453	45.096	ug/L	99
30) 1,1,1-Trichloroethane	4.513	97	36328	9.264	ug/L	98
34) Trichloroethene	5.841	95	13479	6.194	ug/L	86
46) Tetrachloroethene	7.911	164	42336	24.789	ug/L	93
67) 1,2-Dichlorobenzene	11.590	146	120844	26.709	ug/L	97
70) 1,2,4-trichlorobenzene	13.210	180	3925	1.311	ug/L #	81

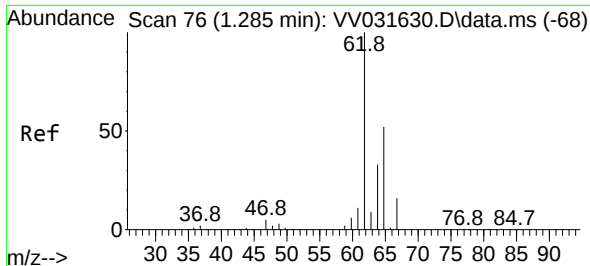
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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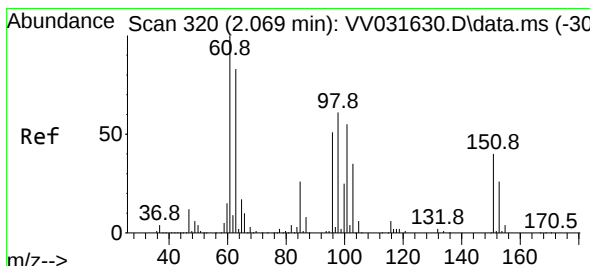
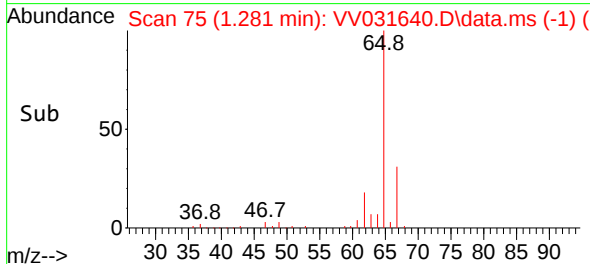
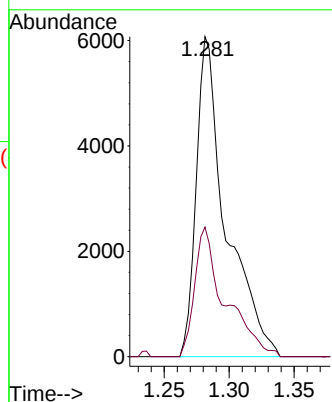
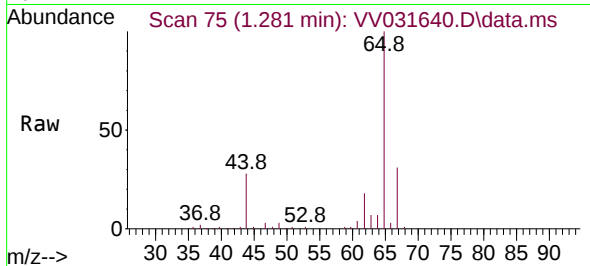




#5
 Vinyl chloride
 Concen: 4.049 ug/L
 RT: 1.281 min Scan# 71
 Delta R.T. -0.003 min
 Lab File: VV031640.D
 Acq: 03 Jul 2023 16:28

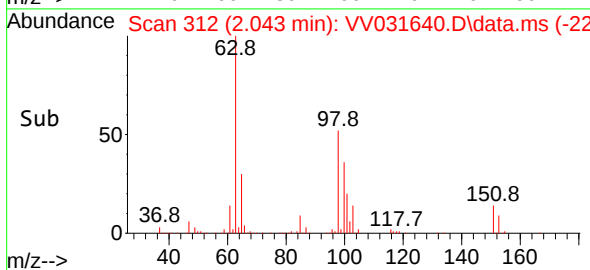
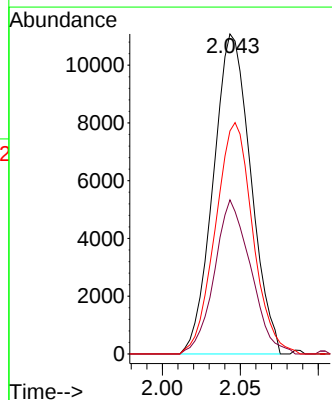
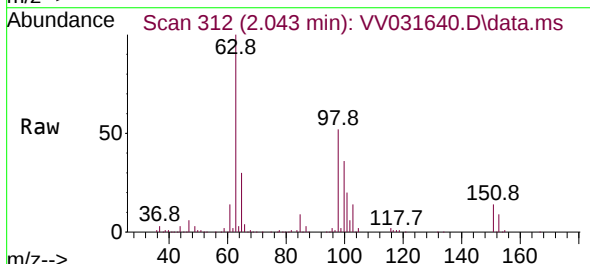
Instrument :
 MSVOA_V
 ClientSampleId :
 A46S5ME

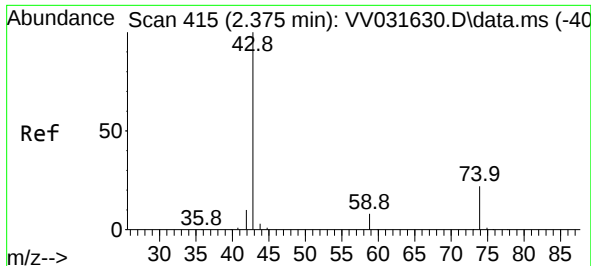
Tgt Ion: 62 Resp: 9655
 Ion Ratio Lower Upper
 62 100
 64 40.5 23.4 43.4



#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 8.725 ug/L
 RT: 2.043 min Scan# 312
 Delta R.T. -0.026 min
 Lab File: VV031640.D
 Acq: 03 Jul 2023 16:28

Tgt Ion: 101 Resp: 18547
 Ion Ratio Lower Upper
 101 100
 85 46.6 37.4 56.0
 151 72.2 62.3 93.5

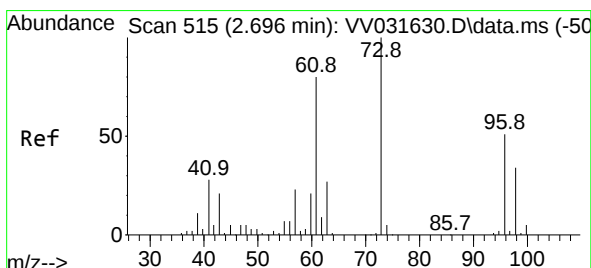
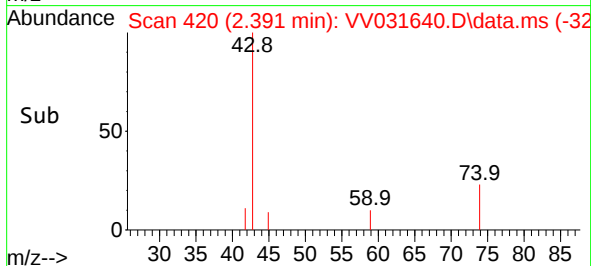
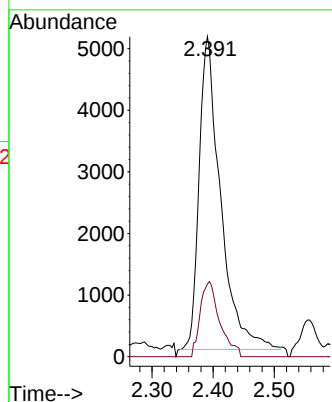
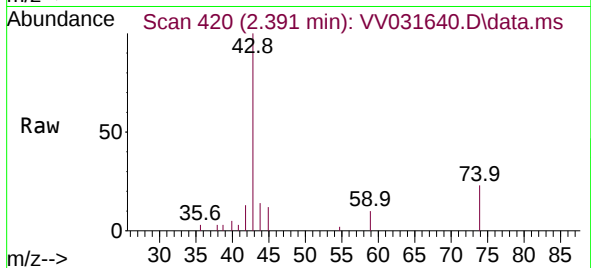




#15
Methyl Acetate
Concen: 5.755 ug/L
RT: 2.391 min Scan# 415
Delta R.T. 0.016 min
Lab File: VV031640.D
Acq: 03 Jul 2023 16:28

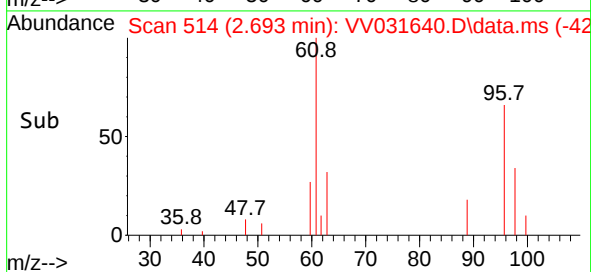
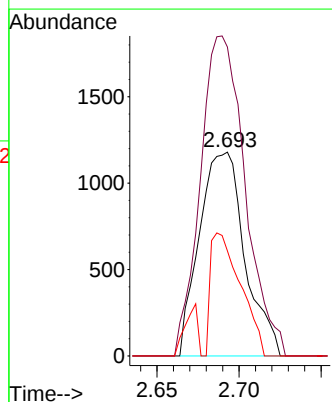
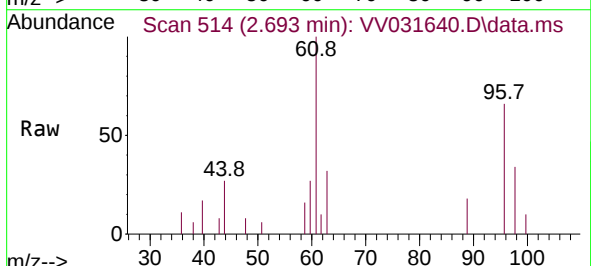
Instrument :
MSVOA_V
ClientSampleId :
A46S5ME

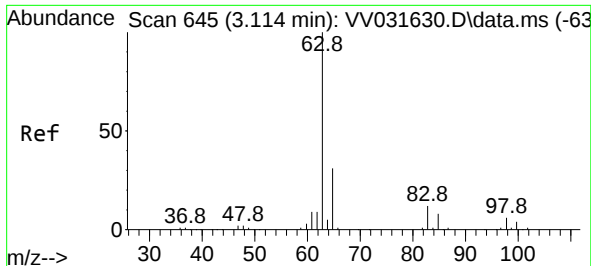
Tgt Ion: 43 Resp: 12382
Ion Ratio Lower Upper
43 100
74 21.0 17.8 26.6



#17
trans-1,2-Dichloroethene
Concen: 1.224 ug/L
RT: 2.693 min Scan# 514
Delta R.T. -0.003 min
Lab File: VV031640.D
Acq: 03 Jul 2023 16:28

Tgt Ion: 96 Resp: 2272
Ion Ratio Lower Upper
96 100
61 166.0 102.5 190.3
98 51.5 44.1 81.9





#19

1,1-Dichloroethane

Concen: 2.026 ug/L

RT: 3.108 min Scan# 64

Delta R.T. -0.006 min

Lab File: VV031640.D

Acq: 03 Jul 2023 16:28

Instrument :

MSVOA_V

ClientSampleId :

A46S5ME

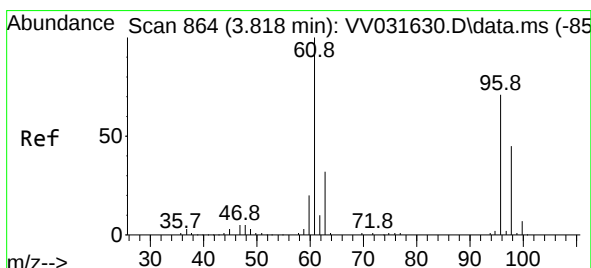
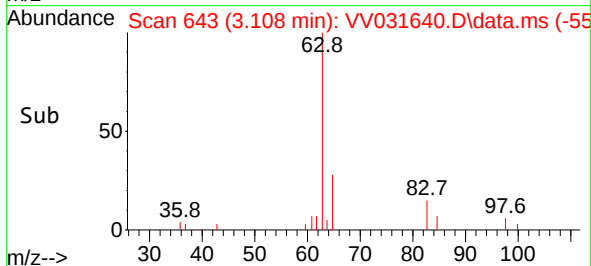
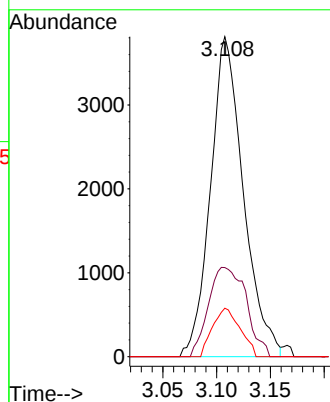
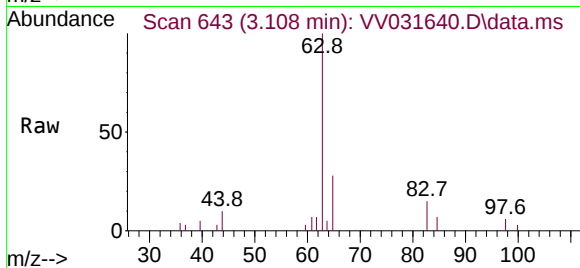
Tgt Ion: 63 Resp: 8114

Ion Ratio Lower Upper

63 100

65 26.6 22.5 41.7

83 14.5 10.0 18.6



#20

cis-1,2-Dichloroethene

Concen: 45.096 ug/L

RT: 3.815 min Scan# 863

Delta R.T. -0.003 min

Lab File: VV031640.D

Acq: 03 Jul 2023 16:28

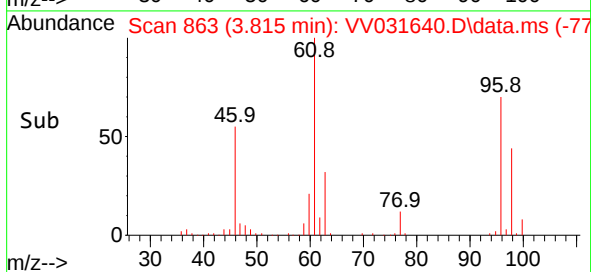
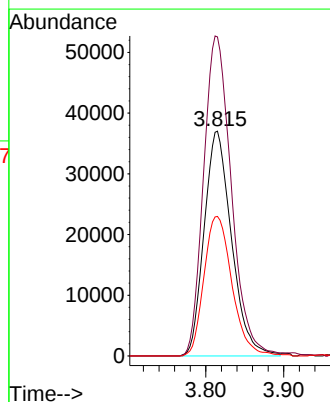
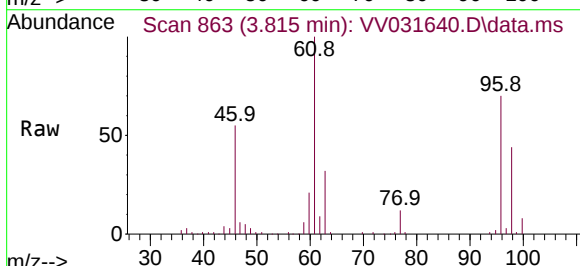
Tgt Ion: 96 Resp: 90453

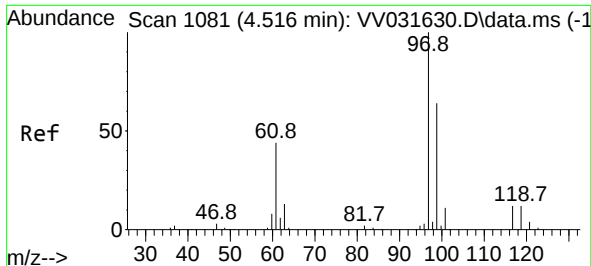
Ion Ratio Lower Upper

96 100

61 141.9 98.6 183.0

98 63.5 45.7 84.9





#30

1,1,1-Trichloroethane

Concen: 9.264 ug/L

RT: 4.513 min Scan# 1081

Delta R.T. -0.003 min

Lab File: VV031640.D

Acq: 03 Jul 2023 16:28

Instrument :

MSVOA_V

ClientSampleId :

A46S5ME

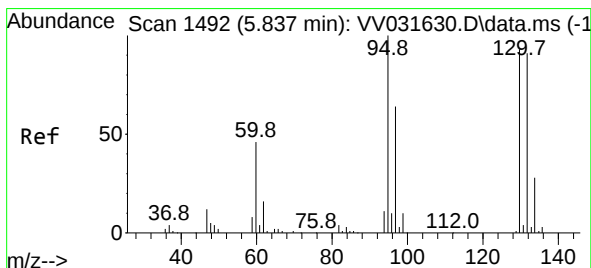
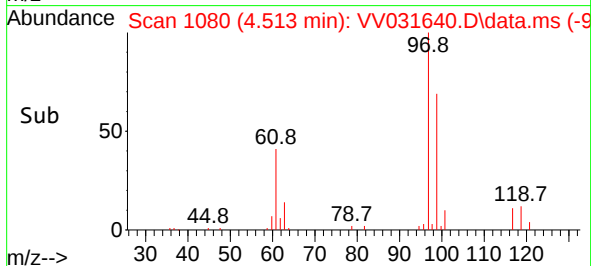
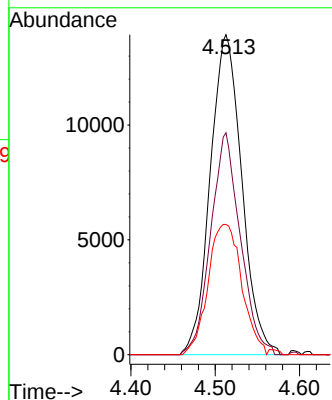
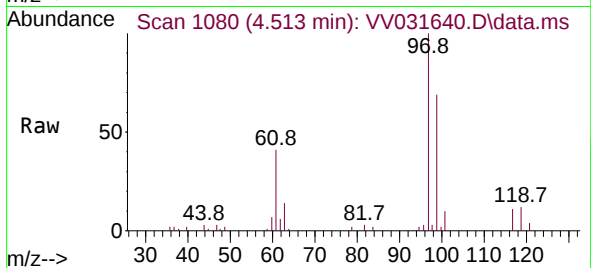
Tgt Ion: 97 Resp: 36328

Ion Ratio Lower Upper

97 100

99 64.9 51.8 77.6

61 43.5 33.0 49.6



#34

Trichloroethene

Concen: 6.194 ug/L

RT: 5.841 min Scan# 1493

Delta R.T. 0.003 min

Lab File: VV031640.D

Acq: 03 Jul 2023 16:28

Tgt Ion: 95 Resp: 13479

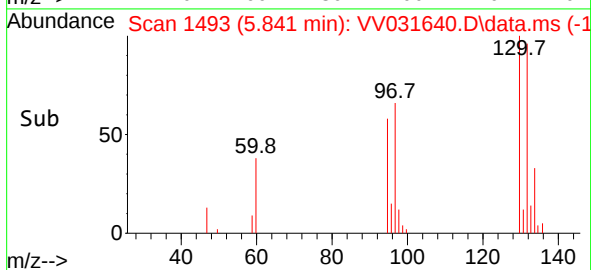
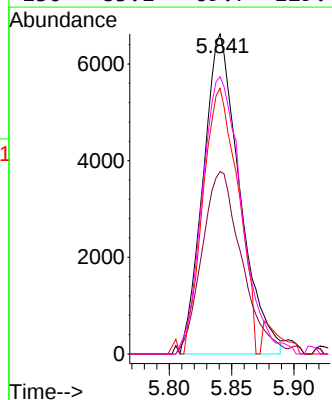
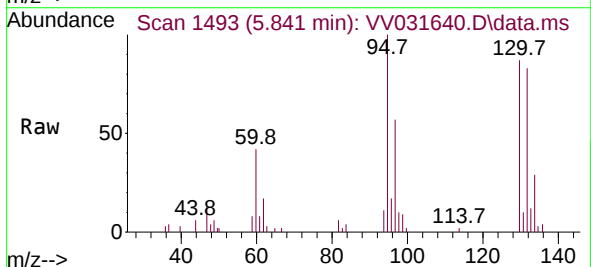
Ion Ratio Lower Upper

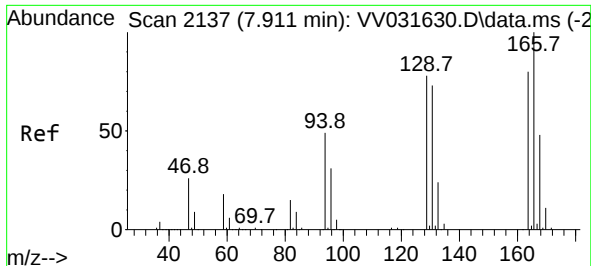
95 100

97 57.8 46.8 86.8

132 81.5 66.4 123.2

130 83.1 69.7 129.4



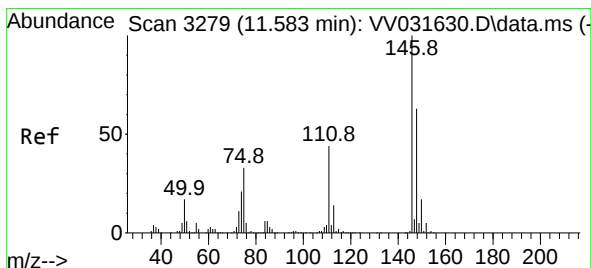
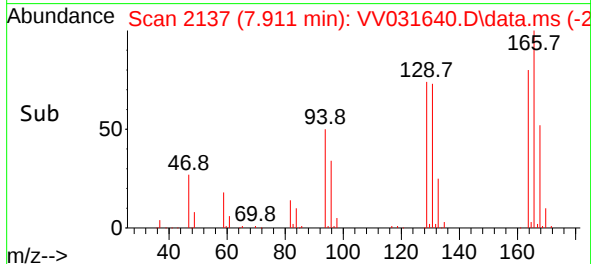
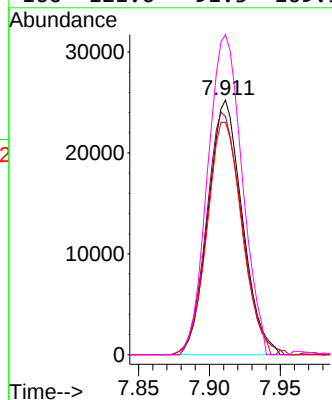
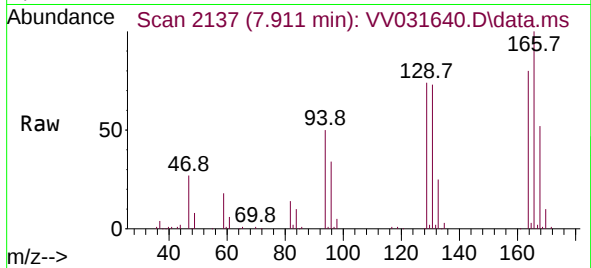


#46
Tetrachloroethene
Concen: 24.789 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. -0.000 min
Lab File: VV031640.D
Acq: 03 Jul 2023 16:28

Instrument :
MSVOA_V
ClientSampleId :
A46S5ME

Tgt Ion:164 Resp: 42336

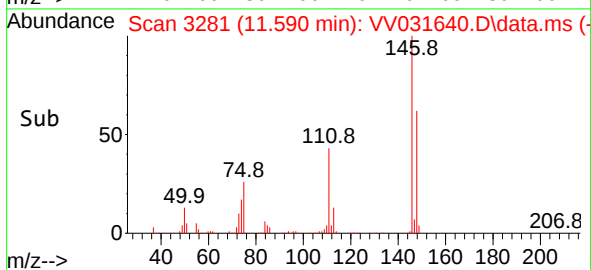
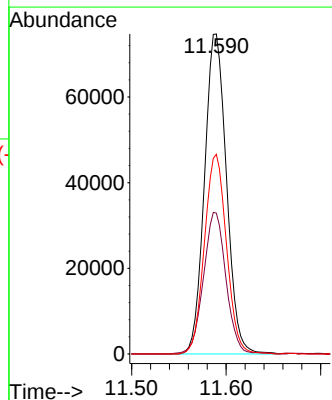
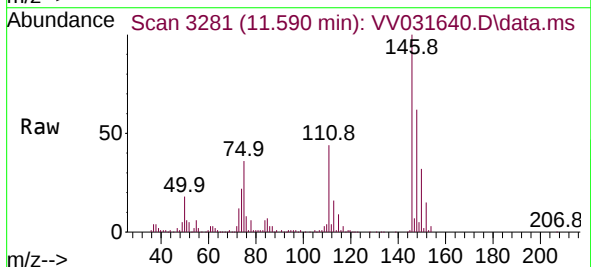
Ion	Ratio	Lower	Upper
164	100		
129	93.3	68.4	127.0
131	88.3	67.6	125.6
166	121.6	91.3	169.5

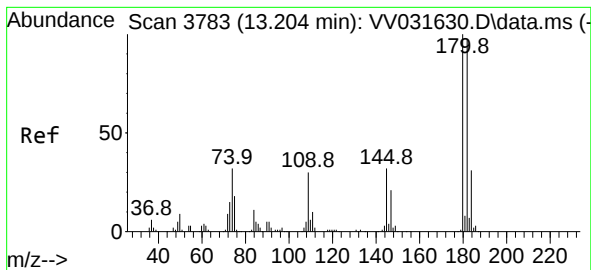


#67
1,2-Dichlorobenzene
Concen: 26.709 ug/L
RT: 11.590 min Scan# 3281
Delta R.T. 0.006 min
Lab File: VV031640.D
Acq: 03 Jul 2023 16:28

Tgt Ion:146 Resp: 120844

Ion	Ratio	Lower	Upper
146	100		
111	44.0	35.9	53.9
148	62.4	52.6	78.8





#70

1,2,4-trichlorobenzene

Concen: 1.311 ug/L

RT: 13.210 min Scan# 31

Delta R.T. 0.006 min

Lab File: VV031640.D

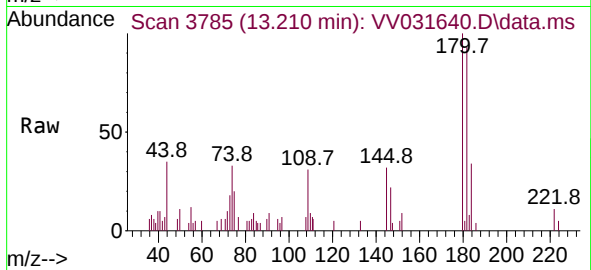
Acq: 03 Jul 2023 16:28

Instrument :

MSVOA_V

ClientSampleId :

A46S5ME



Tgt Ion:180 Resp: 3925

Ion Ratio Lower Upper

180 100

182 104.4 77.7 116.5

145 3.4 26.1 39.1#

