

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
9) Trichlorofluoromethane	2.043	101	18547	4.676	ug/L	92
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
35) Methylcyclohexane	5.995	83	20909	6.521	ug/L #	15
46) Tetrachloroethene	7.911	164	42336	24.789	ug/L	93
51) Chlorobenzene	8.828	112	3207	0.574	ug/L	93
57) 1,1,2,2-Tetrachloroethane	10.178	83	4143	1.123	ug/L #	54
65) 1,4-Dichlorobenzene	11.217	146	3318	0.695	ug/L #	74
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

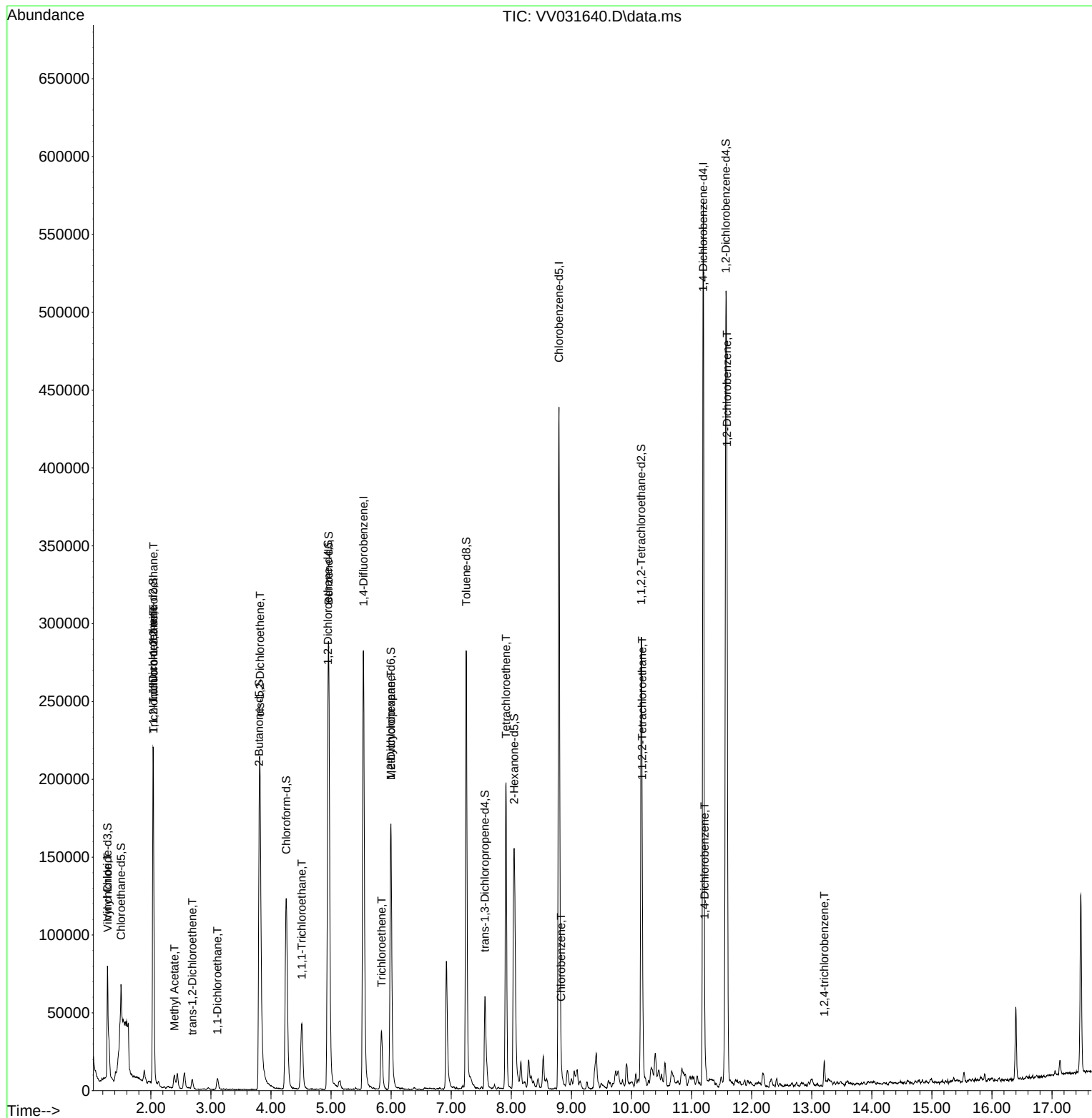
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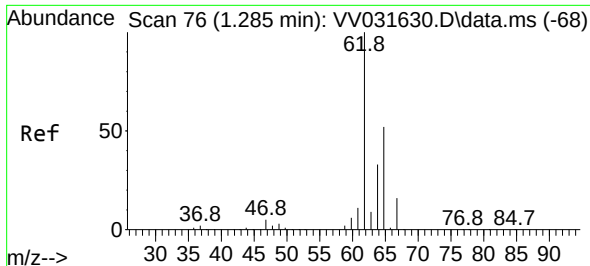
Instrument :
MSVOA_V
ClientSampleId :
A46S5ME

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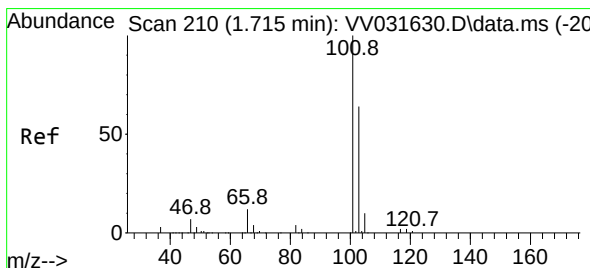
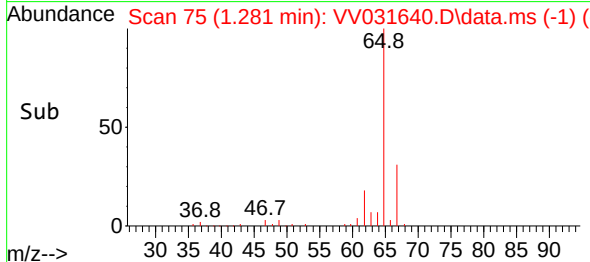
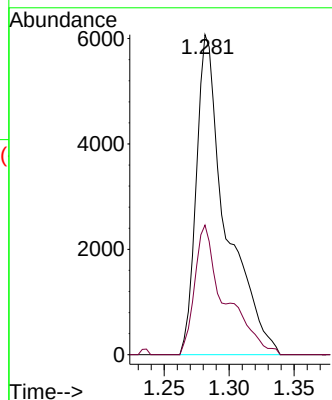
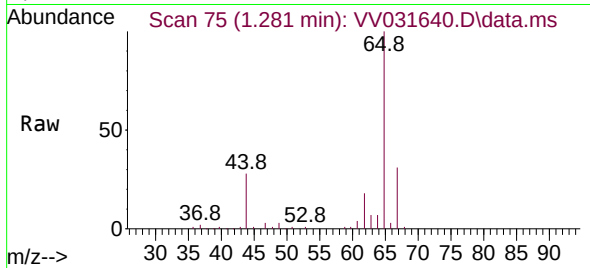




#5
 Vinyl chloride
 Concen: 4.049 ug/L
 RT: 1.281 min Scan# 76
 Delta R.T. -0.003 min
 Lab File: VV031640.D
 Acq: 03 Jul 2023 16:28

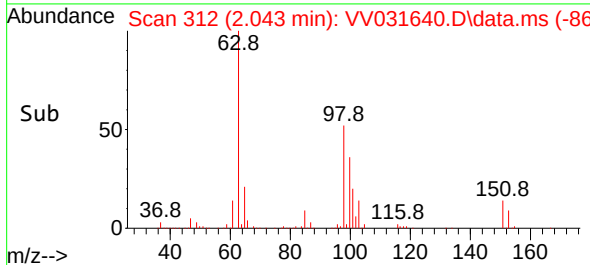
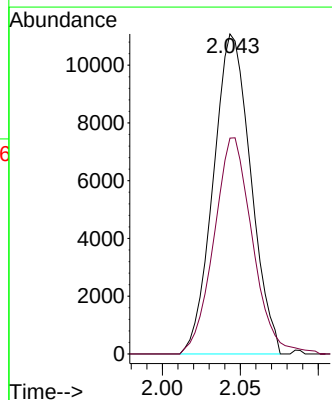
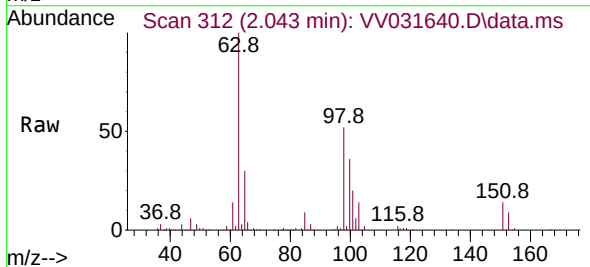
Instrument :
 MSVOA_V
 ClientSampleId :
 A46S5ME

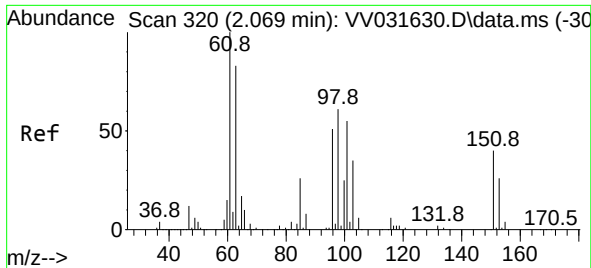
Tgt Ion: 62 Resp: 9655
 Ion Ratio Lower Upper
 62 100
 64 40.5 23.4 43.4



#9
 Trichlorofluoromethane
 Concen: 4.676 ug/L
 RT: 2.043 min Scan# 312
 Delta R.T. 0.328 min
 Lab File: VV031640.D
 Acq: 03 Jul 2023 16:28

Tgt Ion: 101 Resp: 18547
 Ion Ratio Lower Upper
 101 100
 103 69.5 50.9 76.3

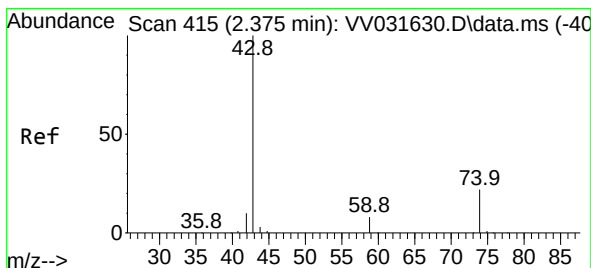
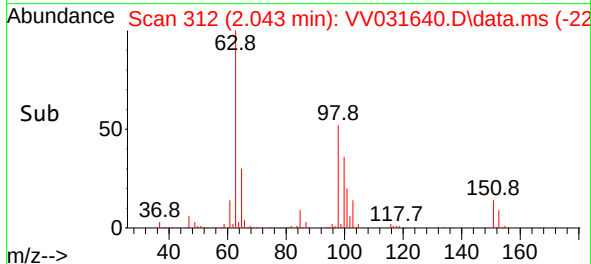
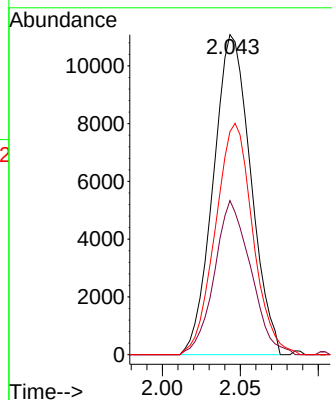
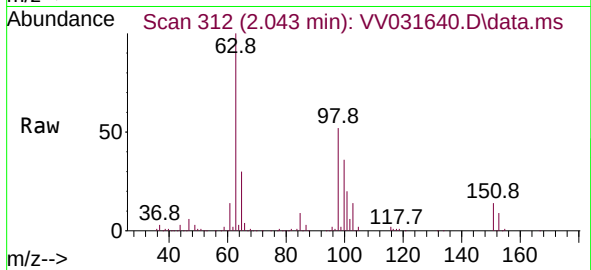




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 8.725 ug/L
RT: 2.043 min Scan# 311
Delta R.T. -0.026 min
Lab File: VV031640.D
Acq: 03 Jul 2023 16:28

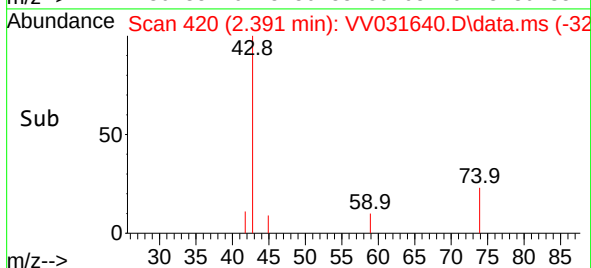
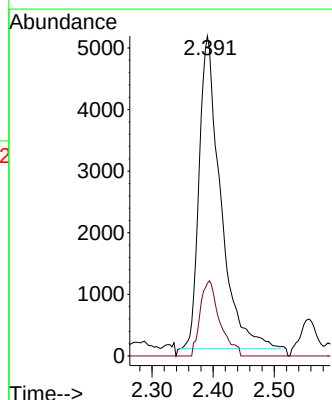
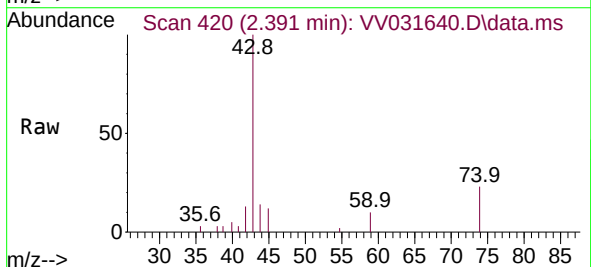
Instrument :
MSVOA_V
ClientSampleId :
A46S5ME

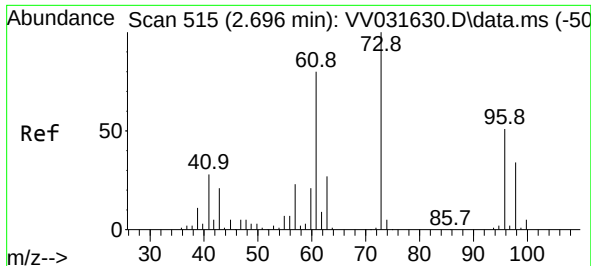
Tgt Ion:101 Resp: 18547
Ion Ratio Lower Upper
101 100
85 46.6 37.4 56.0
151 72.2 62.3 93.5



#15
Methyl Acetate
Concen: 5.755 ug/L
RT: 2.391 min Scan# 420
Delta R.T. 0.016 min
Lab File: VV031640.D
Acq: 03 Jul 2023 16:28

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# 51

Delta R.T. -0.003 min

Lab File: VV031640.D

Acq: 03 Jul 2023 16:28

Instrument :

MSVOA_V

ClientSampleId :

A46S5ME

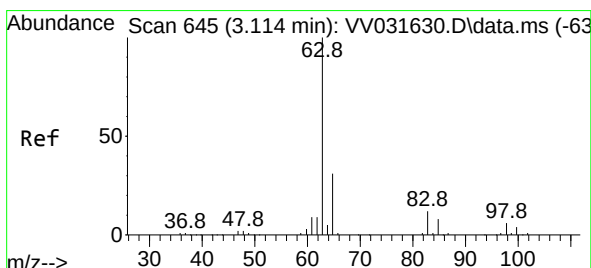
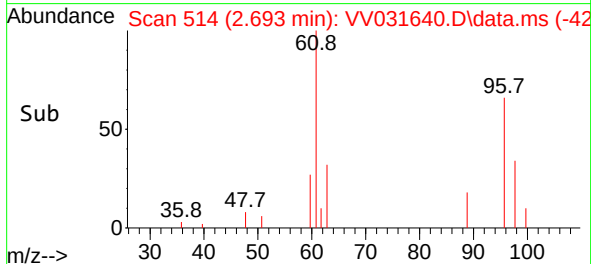
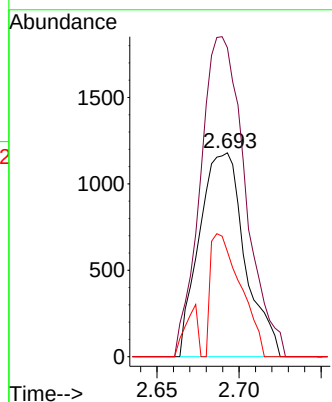
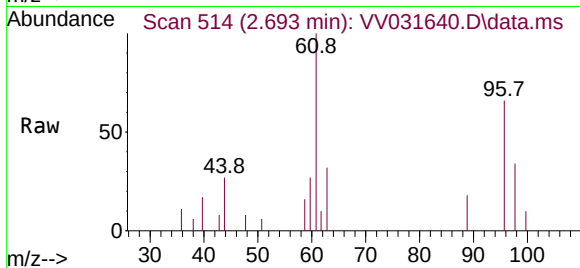
Tgt Ion: 96 Resp: 2272

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# 643

Delta R.T. -0.006 min

Lab File: VV031640.D

Acq: 03 Jul 2023 16:28

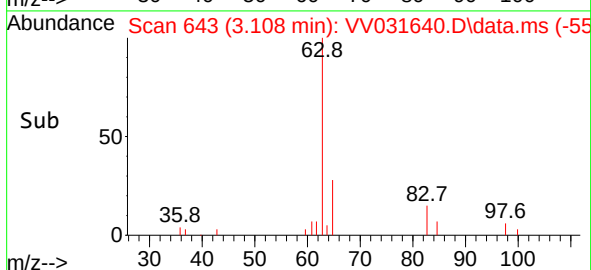
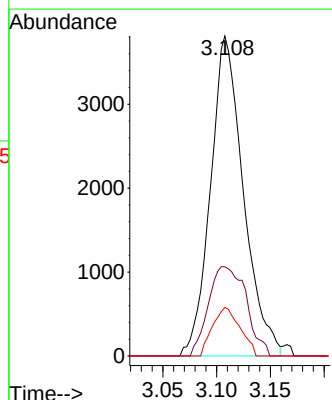
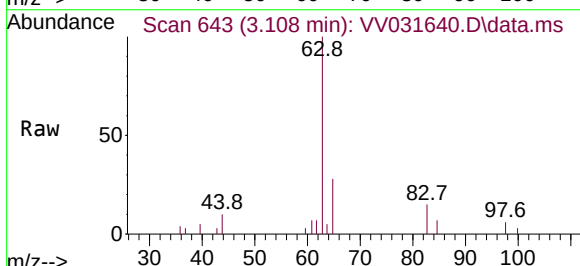
Tgt Ion: 63 Resp: 8114

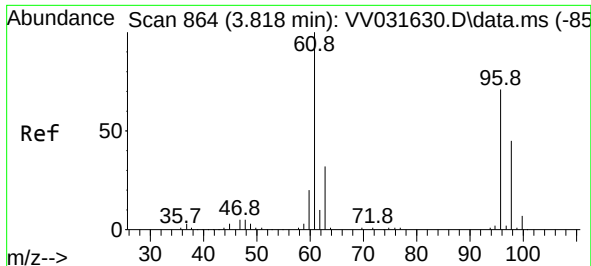
Ion Ratio Lower Upper

63 100

65 26.6 22.5 41.7

83 14.5 10.0 18.6

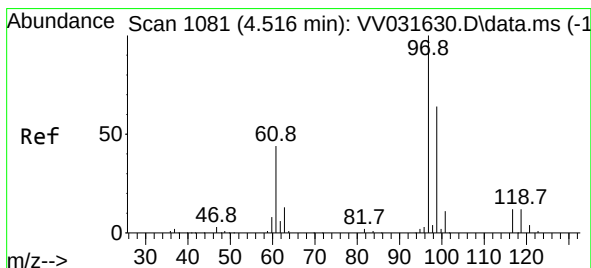
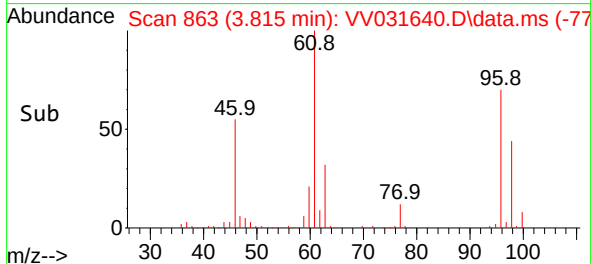
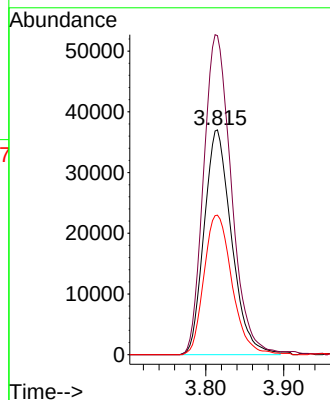
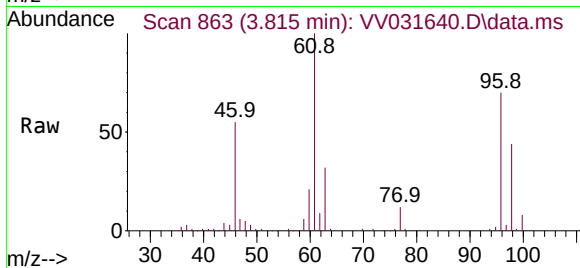




#20
 cis-1,2-Dichloroethene
 Concen: 45.096 ug/L
 RT: 3.815 min Scan# 80
 Delta R.T. -0.003 min
 Lab File: VV031640.D
 Acq: 03 Jul 2023 16:28

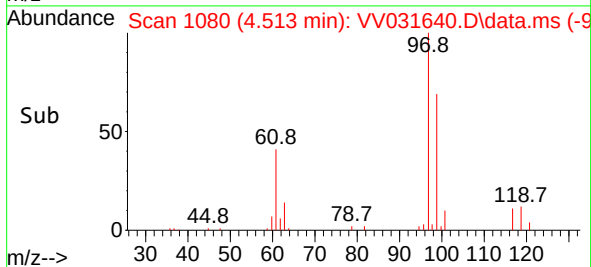
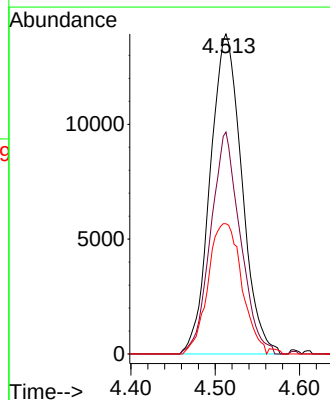
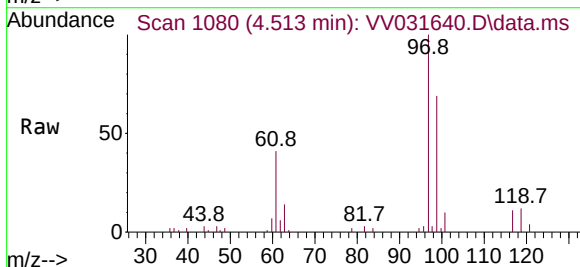
Instrument :
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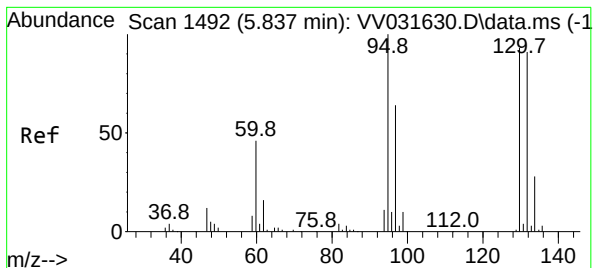
Tgt Ion: 96 Resp: 90453
 Ion Ratio Lower Upper
 96 100
 61 141.9 98.6 183.0
 98 63.5 45.7 84.9



#30
 1,1,1-Trichloroethane
 Concen: 9.264 ug/L
 RT: 4.513 min Scan# 1080
 Delta R.T. -0.003 min
 Lab File: VV031640.D
 Acq: 03 Jul 2023 16:28

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# 14

Delta R.T. 0.003 min

Lab File: VV031640.D

Acq: 03 Jul 2023 16:28

Instrument :

MSVOA_V

ClientSampleId :

A46S5ME

Tgt Ion: 95 Resp: 13479

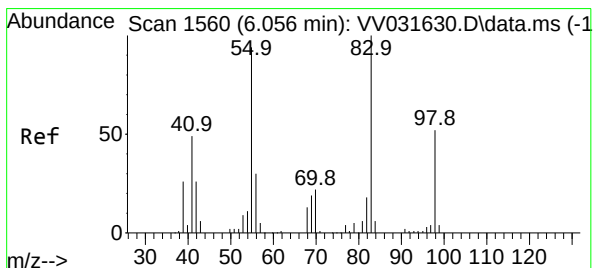
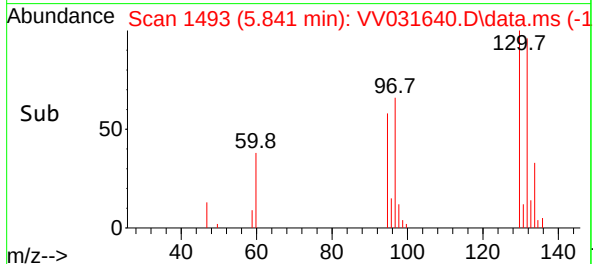
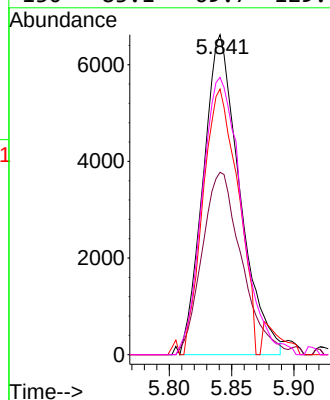
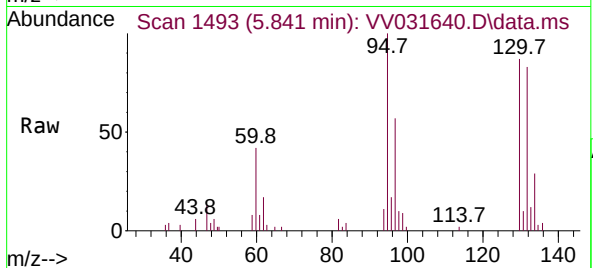
Ion Ratio Lower Upper

95 100

97 57.8 46.8 86.8

132 81.5 66.4 123.2

130 83.1 69.7 129.4



#35

Methylcyclohexane

Concen: 6.521 ug/L

RT: 5.995 min Scan# 1541

Delta R.T. -0.061 min

Lab File: VV031640.D

Acq: 03 Jul 2023 16:28

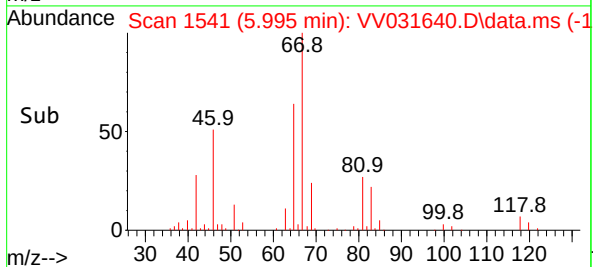
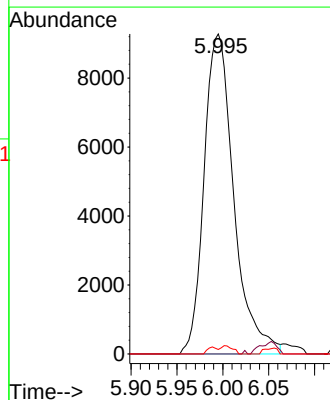
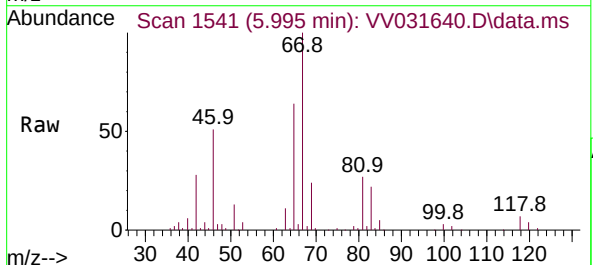
Tgt Ion: 83 Resp: 20909

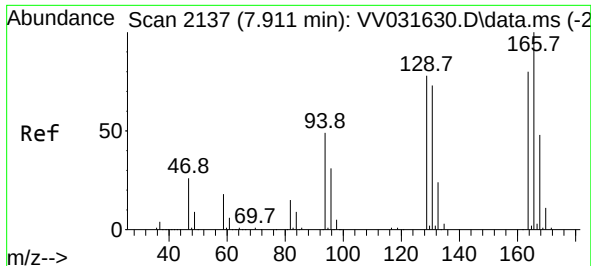
Ion Ratio Lower Upper

83 100

55 0.0 68.7 103.1#

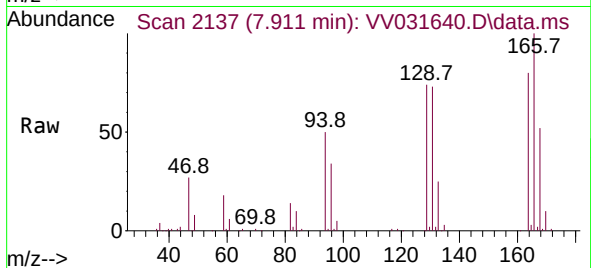
98 1.0 37.0 55.4#



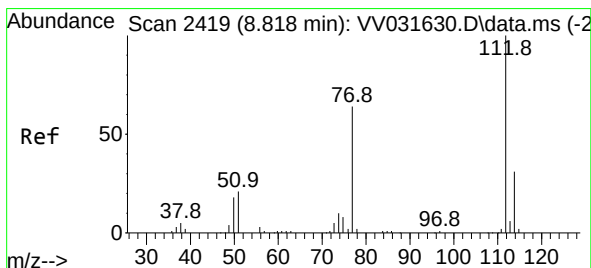
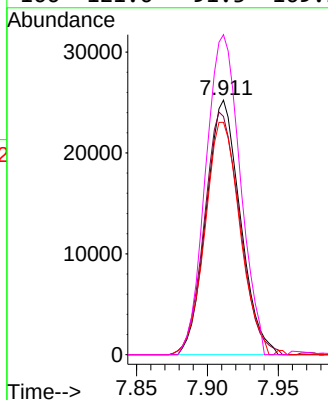
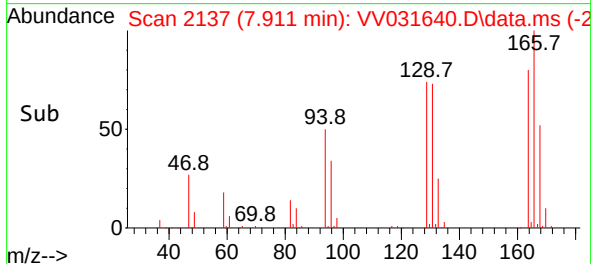


#46
Tetrachloroethene
Concen: 24.789 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. -0.000 min
Lab File: VV031640.D
Acq: 03 Jul 2023 16:28

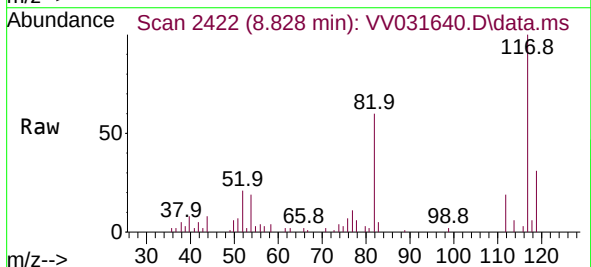
Instrument :
MSVOA_V
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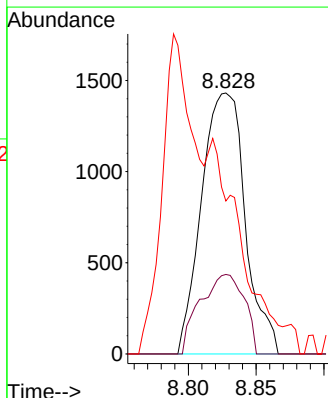
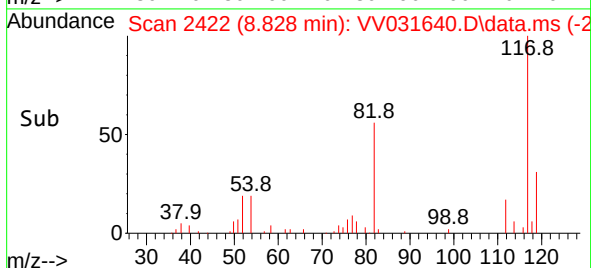
Tgt Ion	Ratio	Lower	Upper
164	100		
129	93.3	68.4	127.0
131	88.3	67.6	125.6
166	121.6	91.3	169.5

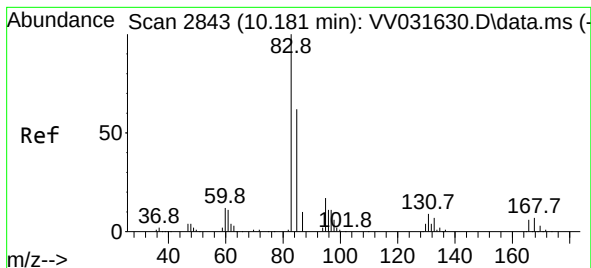


#51
Chlorobenzene
Concen: 0.574 ug/L
RT: 8.828 min Scan# 2422
Delta R.T. 0.010 min
Lab File: VV031640.D
Acq: 03 Jul 2023 16:28



Tgt Ion	Ratio	Lower	Upper
112	100		
114	30.5	22.9	42.5
77	58.6	52.5	78.7





#57

1,1,2,2-Tetrachloroethane

Concen: 1.123 ug/L

RT: 10.178 min Scan# 21

Delta R.T. -0.003 min

Lab File: VV031640.D

Acq: 03 Jul 2023 16:28

Instrument :

MSVOA_V

ClientSampleId :

A46S5ME

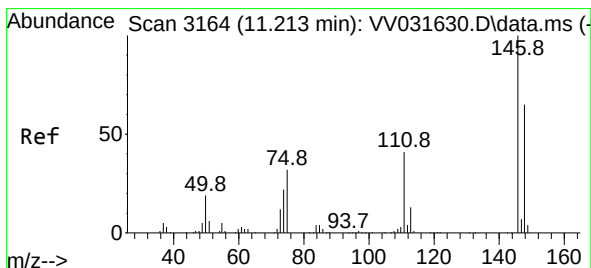
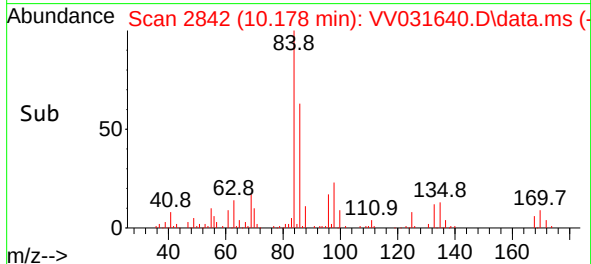
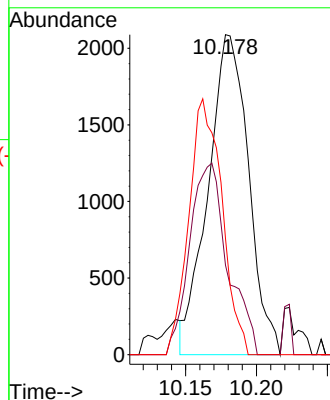
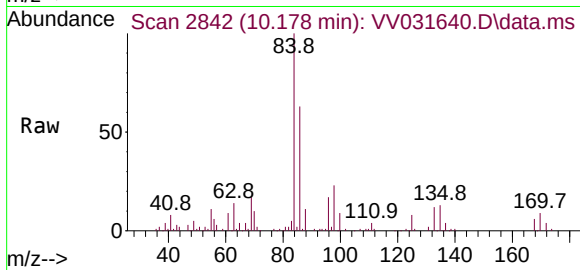
Tgt Ion: 83 Resp: 4143

Ion Ratio Lower Upper

83 100

85 28.0 43.1 80.1#

131 36.3 10.6 16.0#



#65

1,4-Dichlorobenzene

Concen: 0.695 ug/L

RT: 11.217 min Scan# 3165

Delta R.T. 0.003 min

Lab File: VV031640.D

Acq: 03 Jul 2023 16:28

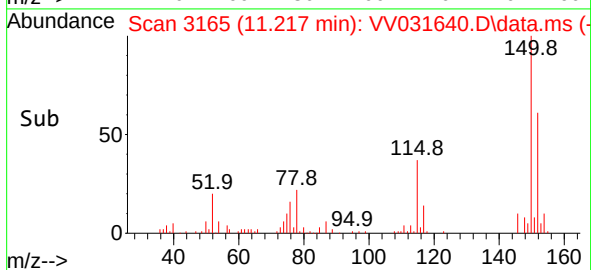
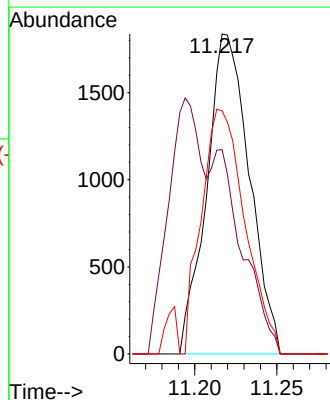
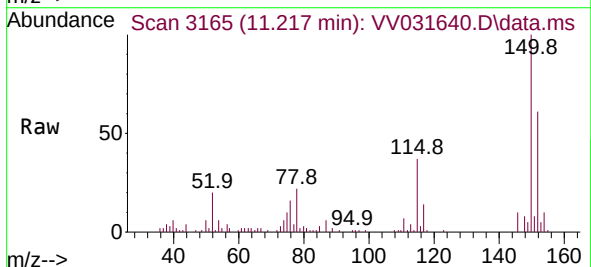
Tgt Ion:146 Resp: 3318

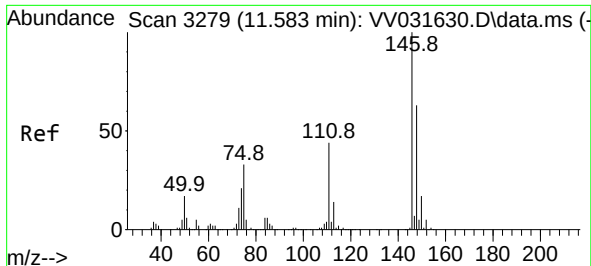
Ion Ratio Lower Upper

146 100

111 63.9 27.9 51.7#

148 75.9 43.6 81.0

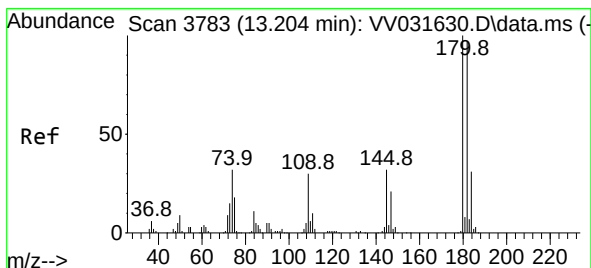
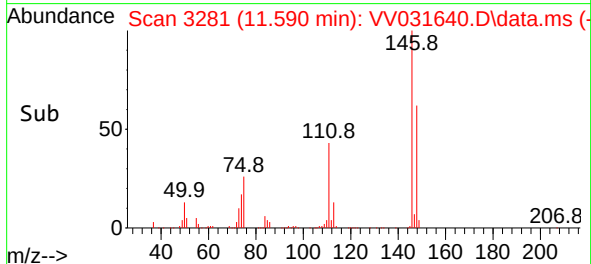
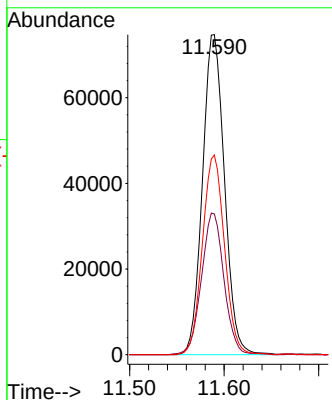
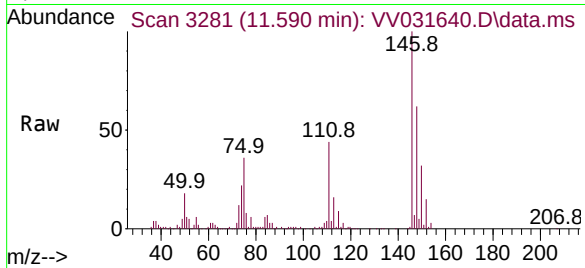




#67
1,2-Dichlorobenzene
Concen: 26.709 ug/L
RT: 11.590 min Scan# 31
Delta R.T. 0.006 min
Lab File: VV031640.D
Acq: 03 Jul 2023 16:28

Instrument :
MSVOA_V
ClientSampleId :
A46S5ME

Tgt Ion: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# 3785
Delta R.T. 0.006 min
Lab File: VV031640.D
Acq: 03 Jul 2023 16:28

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#

