

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121423\
 Data File : VW033366.D
 Acq On : 15 Dec 2023 03:34
 Operator : SY/MD
 Sample : 05802-16
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F7B28

Quant Time: Dec 15 04:11:06 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM120123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 08 21:51:12 2023
 Response via : Initial Calibration

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

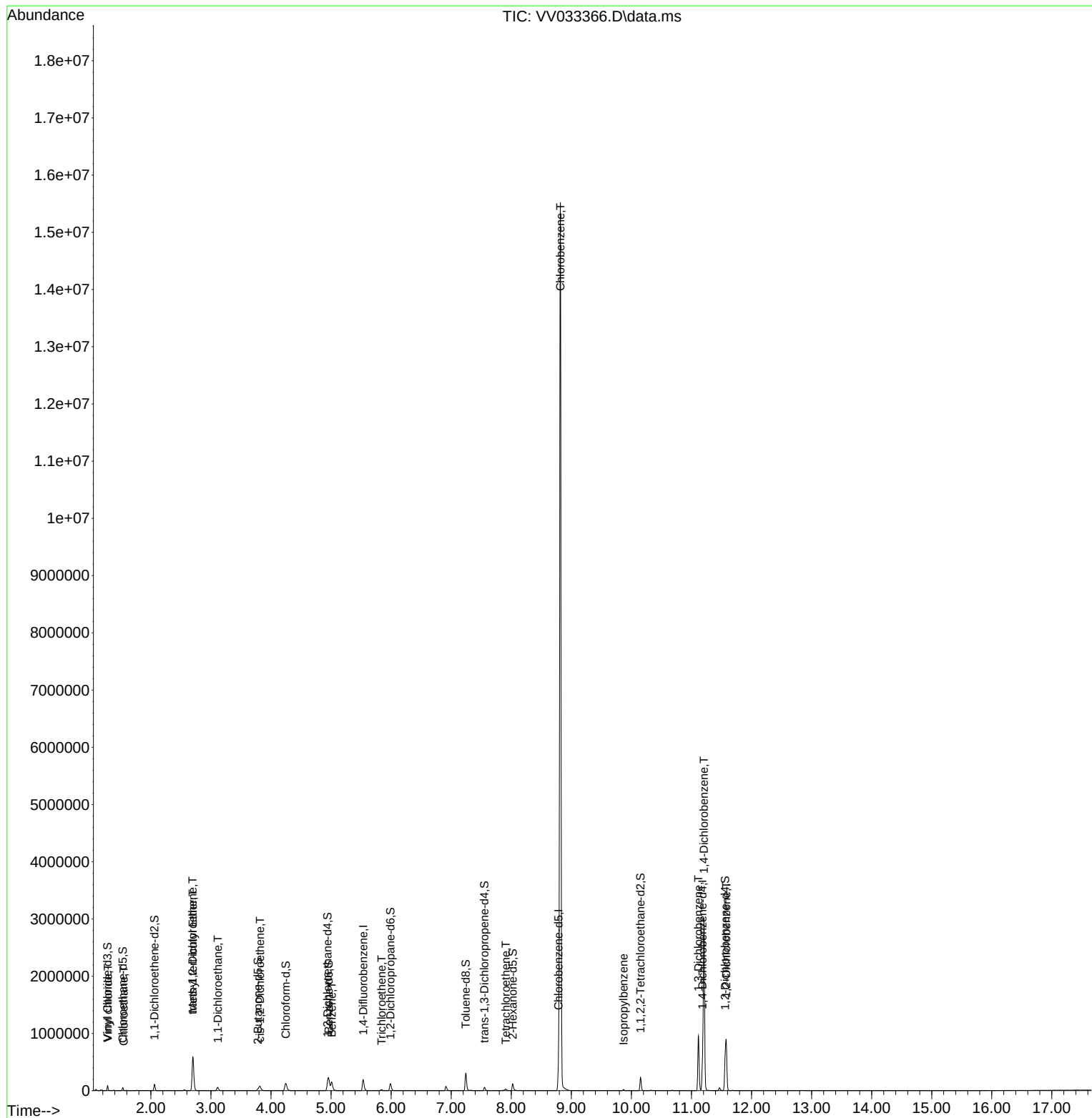
Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	188306	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	213760	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	135924	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	39947	35.487	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	70.980%
7) Chloroethane-d5	1.532	69	29964	38.203	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	76.400%
11) 1,1-Dichloroethene-d2	2.060	65	16506	38.544	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.080%
21) 2-Butanone-d5	3.783	46	39033	69.813	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	69.810%
24) Chloroform-d	4.246	84	115478	48.339	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.680%
26) 1,2-Dichloroethane-d4	4.940	65	80449	54.165	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.320%
32) Benzene-d6	4.960	84	213253	42.656	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.320%
36) 1,2-Dichloropropane-d6	5.989	67	49774	37.028	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	74.060%
41) Toluene-d8	7.243	98	219144	45.951	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.900%
43) trans-1,3-Dichloroprop...	7.555	79	34207	40.243	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.480%
47) 2-Hexanone-d5	8.024	63	42235	78.211	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	78.210%
56) 1,1,2,2-Tetrachloroeth...	10.152	84	91914	48.101	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.200%
66) 1,2-Dichlorobenzene-d4	11.561	152	128431	53.106	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.220%
Target Compounds						Qvalue
5) Vinyl chloride	1.285	62	7507	5.766	ug/L	# 81
8) Chloroethane	1.548	64	1908	2.753	ug/L	86
17) trans-1,2-Dichloroethene	2.696	96	4254	3.432	ug/L	83
18) Methyl tert-butyl Ether	2.699	73	622887	165.421	ug/L	96
19) 1,1-Dichloroethane	3.114	63	52739	25.707	ug/L	96
20) cis-1,2-Dichloroethene	3.818	96	46837	35.611	ug/L	87
33) Benzene	5.011	78	166260	30.693	ug/L	100
34) Trichloroethene	5.844	95	5316	3.285	ug/L	96
46) Tetrachloroethene	7.908	164	7497	5.389	ug/L	94
51) Chlorobenzene	8.818	112	8411740	1959.653	ug/L	98
60) Isopropylbenzene	9.870	105	12914	1.648	ug/L	99
64) 1,3-Dichlorobenzene	11.117	146	411639	98.313	ug/L	99
65) 1,4-Dichlorobenzene	11.207	146	1262409	290.251	ug/L	99
67) 1,2-Dichlorobenzene	11.580	146	326117	79.448	ug/L	98

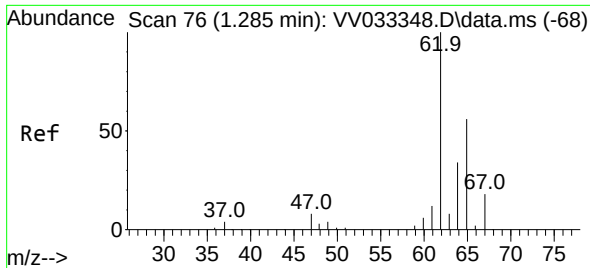
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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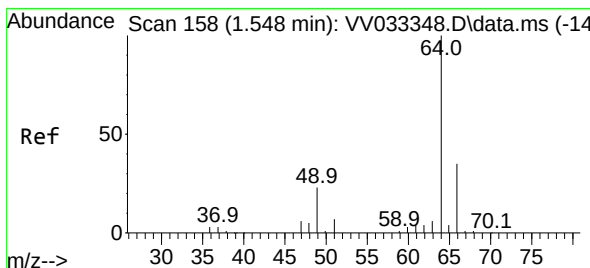
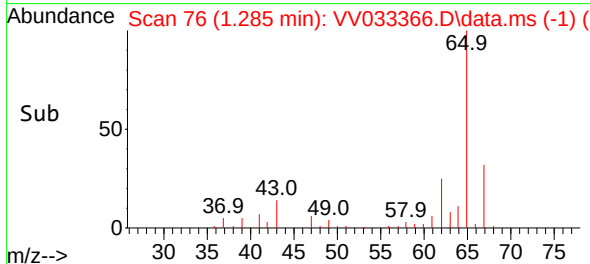
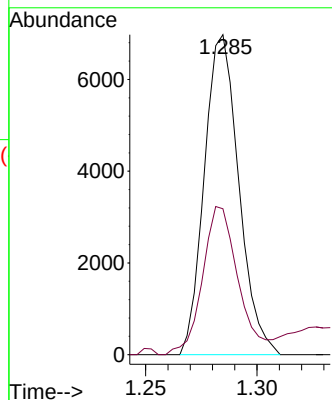
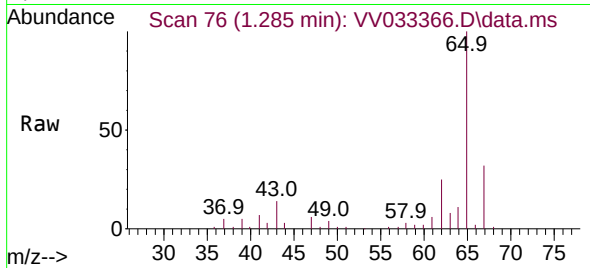




#5
 Vinyl chloride
 Concen: 5.766 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. -0.000 min
 Lab File: VV033366.D
 Acq: 15 Dec 2023 03:34

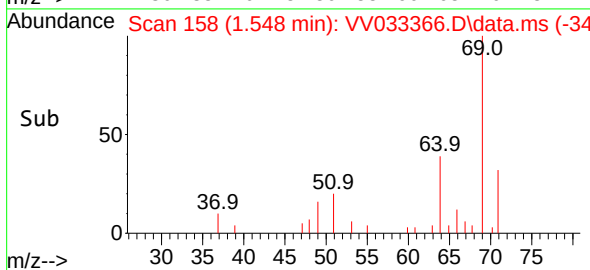
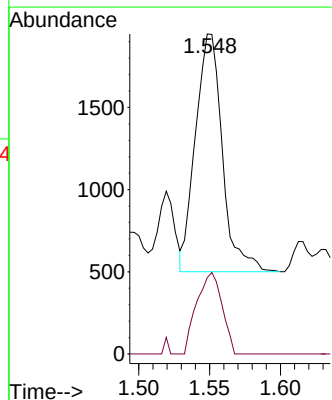
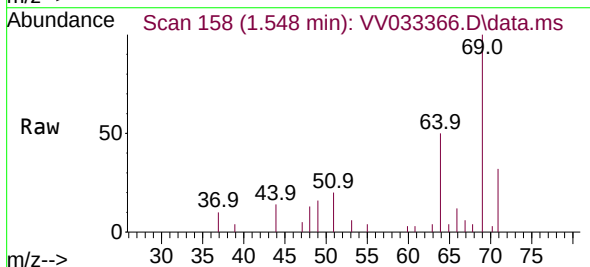
Instrument :
 MSVOA_V
 ClientSampleId :
 F7B28

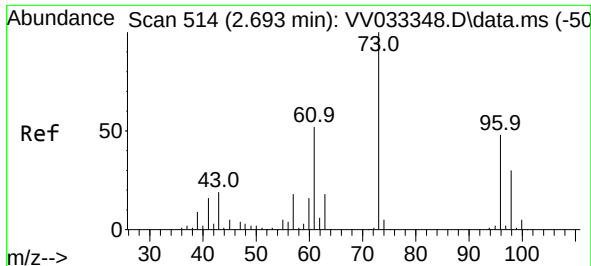
Tgt Ion: 62 Resp: 7507
 Ion Ratio Lower Upper
 62 100
 64 45.6 24.2 45.0#



#8
 Chloroethane
 Concen: 2.753 ug/L
 RT: 1.548 min Scan# 158
 Delta R.T. -0.000 min
 Lab File: VV033366.D
 Acq: 15 Dec 2023 03:34

Tgt Ion: 64 Resp: 1908
 Ion Ratio Lower Upper
 64 100
 66 23.9 22.3 41.5





#17

trans-1,2-Dichloroethene

Concen: 3.432 ug/L

RT: 2.696 min Scan# 514

Delta R.T. 0.003 min

Lab File: VV033366.D

Acq: 15 Dec 2023 03:34

Instrument :

MSVOA_V

ClientSampleId :

F7B28

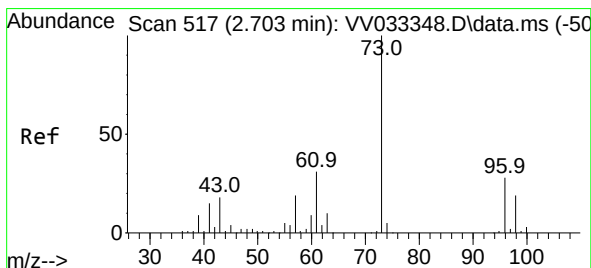
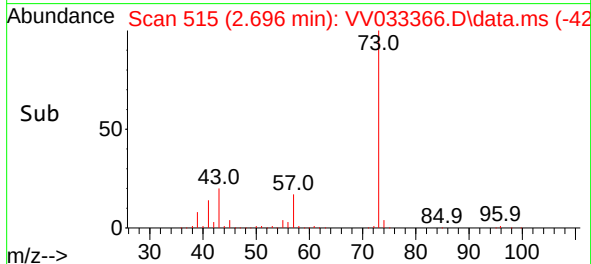
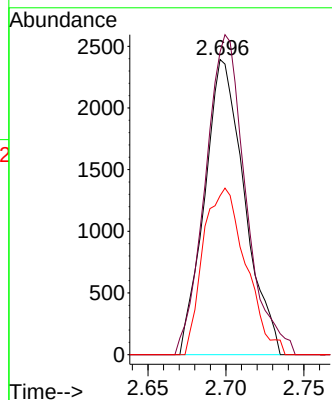
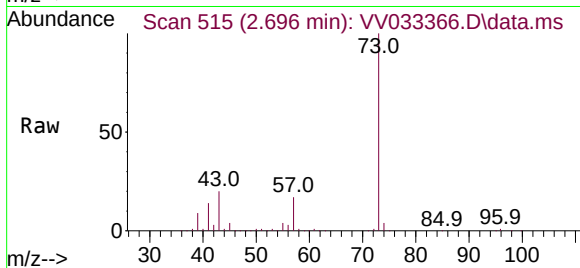
Tgt Ion: 96 Resp: 4254

Ion Ratio Lower Upper

96 100

61 102.5 86.5 160.6

98 53.8 45.1 83.7



#18

Methyl tert-butyl Ether

Concen: 165.421 ug/L

RT: 2.699 min Scan# 516

Delta R.T. -0.000 min

Lab File: VV033366.D

Acq: 15 Dec 2023 03:34

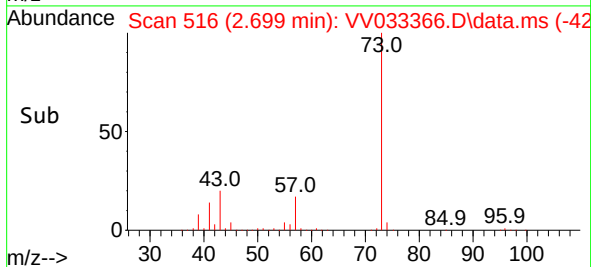
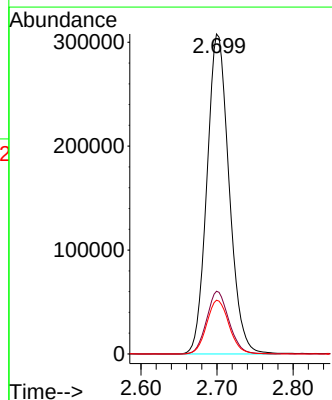
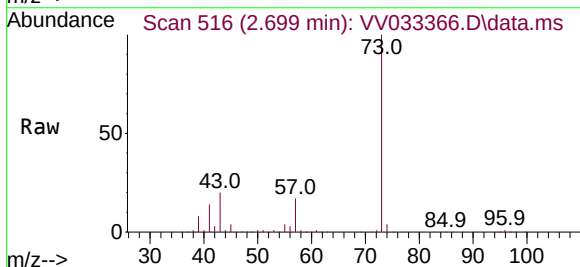
Tgt Ion: 73 Resp: 622887

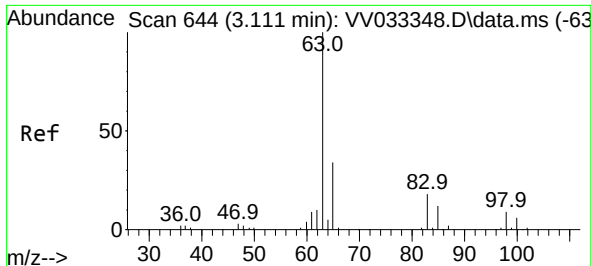
Ion Ratio Lower Upper

73 100

43 19.7 15.4 23.2

57 17.0 16.1 24.1





#19

1,1-Dichloroethane

Concen: 25.707 ug/L

RT: 3.114 min Scan# 64

Delta R.T. 0.006 min

Lab File: VV033366.D

Acq: 15 Dec 2023 03:34

Instrument :

MSVOA_V

ClientSampleId :

F7B28

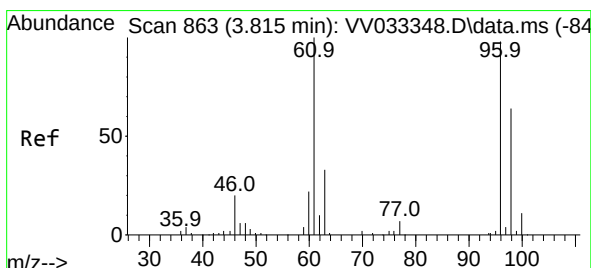
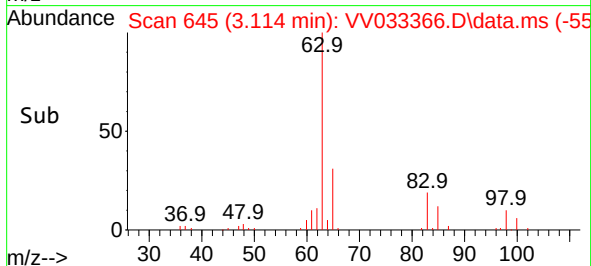
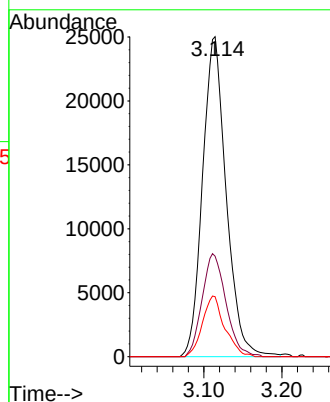
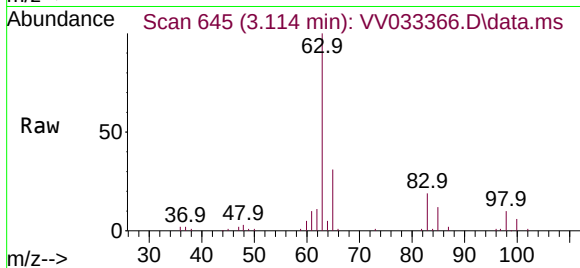
Tgt Ion: 63 Resp: 52739

Ion Ratio Lower Upper

63 100

65 31.4 23.0 42.6

83 18.7 11.4 21.2



#20

cis-1,2-Dichloroethene

Concen: 35.611 ug/L

RT: 3.818 min Scan# 864

Delta R.T. 0.006 min

Lab File: VV033366.D

Acq: 15 Dec 2023 03:34

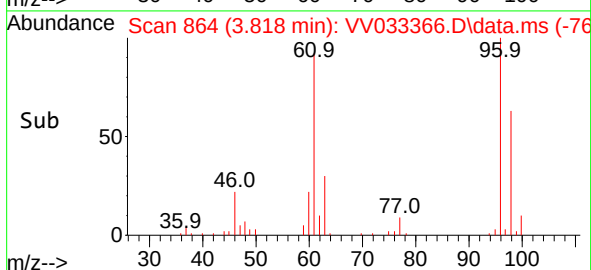
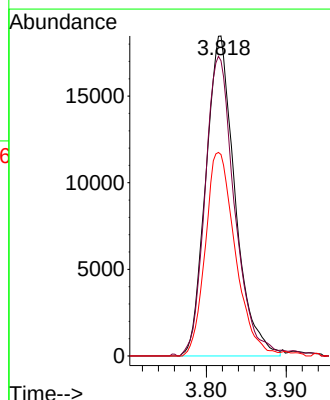
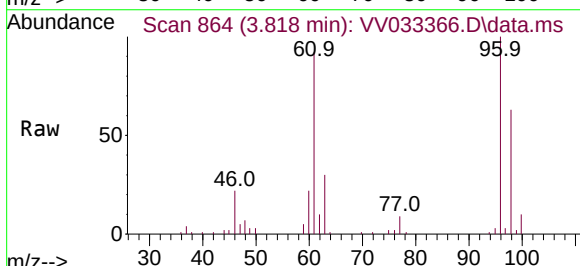
Tgt Ion: 96 Resp: 46837

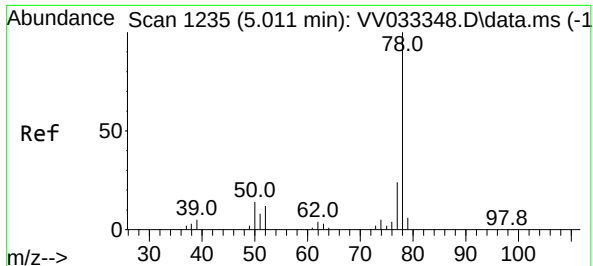
Ion Ratio Lower Upper

96 100

61 92.2 79.1 146.9

98 62.9 45.1 83.7





#33

Benzene

Concen: 30.693 ug/L

RT: 5.011 min Scan# 1

Delta R.T. 0.006 min

Lab File: VV033366.D

Acq: 15 Dec 2023 03:34

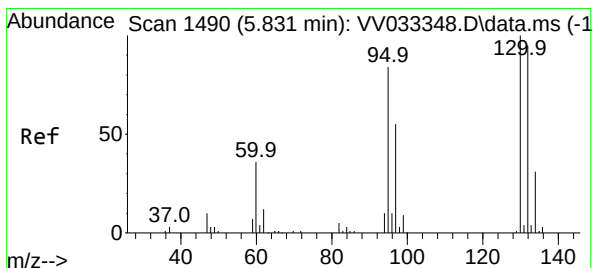
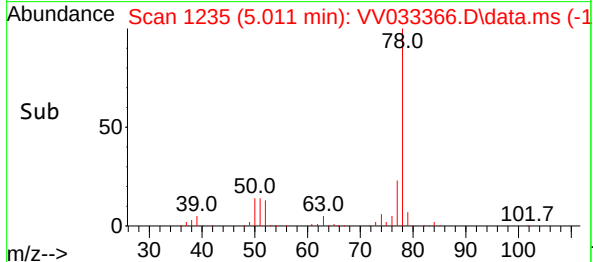
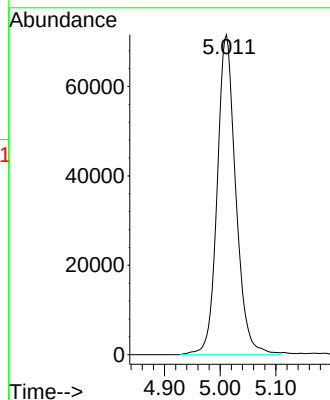
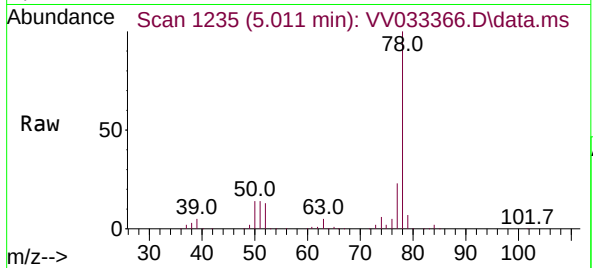
Instrument :

MSVOA_V

ClientSampleId :

F7B28

Tgt Ion: 78 Resp: 166260



#34

Trichloroethene

Concen: 3.285 ug/L

RT: 5.844 min Scan# 1494

Delta R.T. 0.013 min

Lab File: VV033366.D

Acq: 15 Dec 2023 03:34

Tgt Ion: 95 Resp: 5316

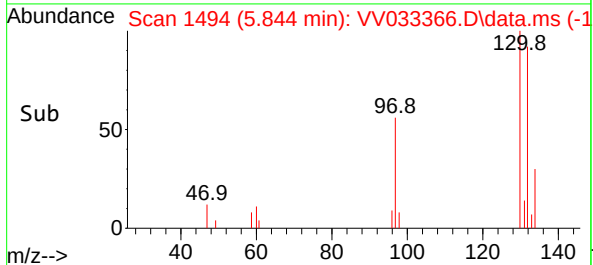
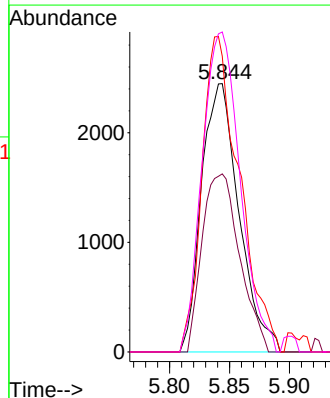
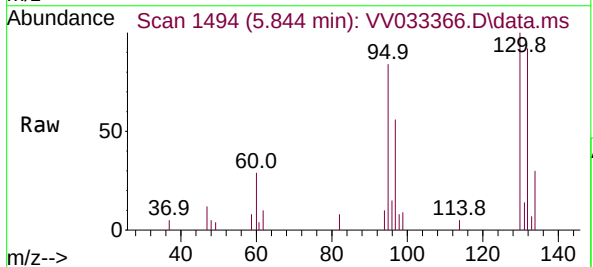
Ion Ratio Lower Upper

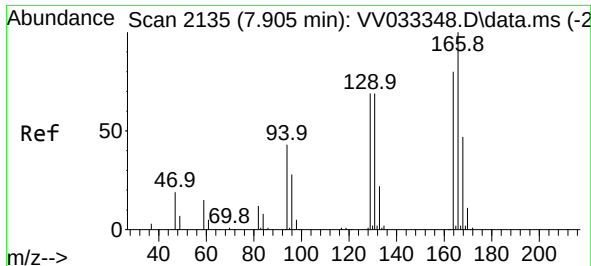
95 100

97 66.4 45.8 85.0

132 110.2 77.4 143.8

130 119.2 76.9 142.7





#46

Tetrachloroethene

Concen: 5.389 ug/L

RT: 7.908 min Scan# 2135

Delta R.T. 0.003 min

Lab File: VV033366.D

Acq: 15 Dec 2023 03:34

Instrument :

MSVOA_V

ClientSampleId :

F7B28

Tgt Ion:164 Resp: 7497

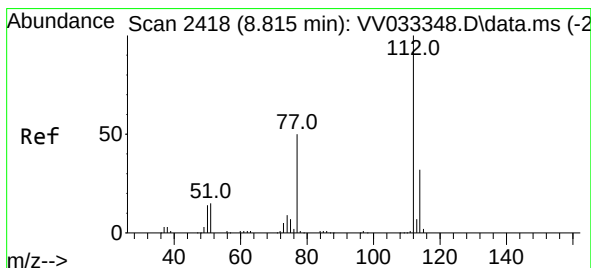
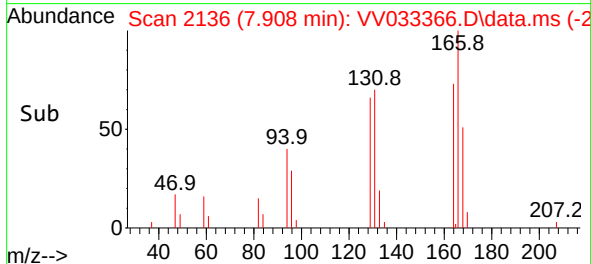
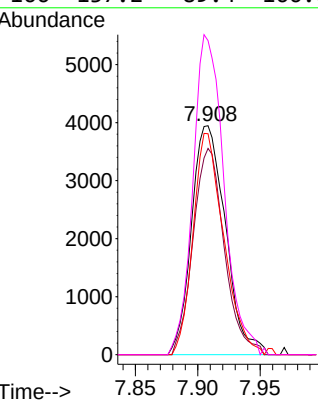
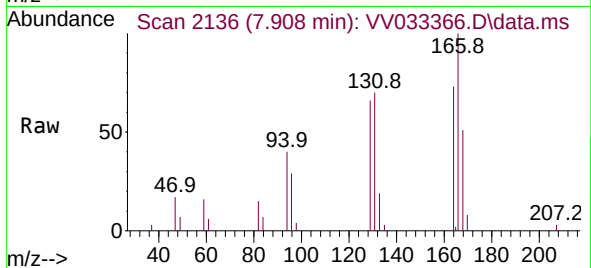
Ion Ratio Lower Upper

164 100

129 90.1 65.6 121.8

131 96.5 64.7 120.1

166 137.2 89.4 166.0



#51

Chlorobenzene

Concen: 1959.653 ug/L

RT: 8.818 min Scan# 2419

Delta R.T. 0.006 min

Lab File: VV033366.D

Acq: 15 Dec 2023 03:34

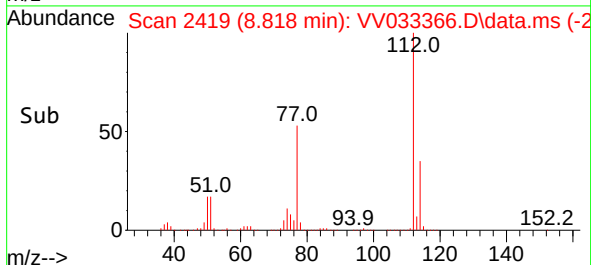
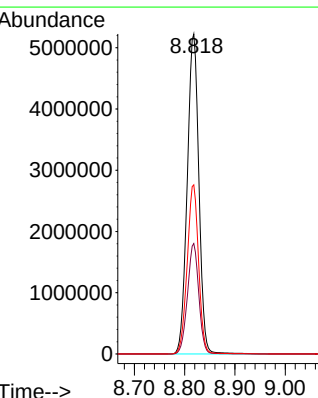
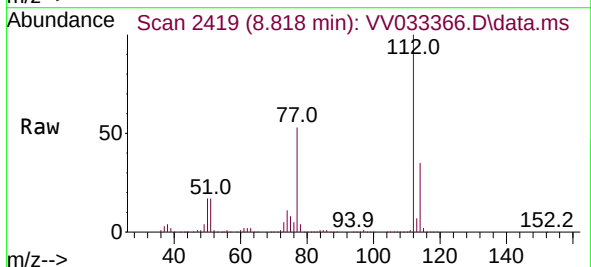
Tgt Ion:112 Resp: 8411740

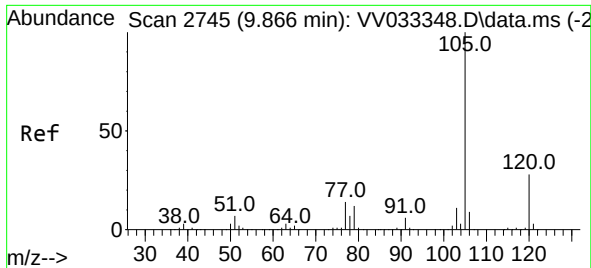
Ion Ratio Lower Upper

112 100

114 34.5 22.9 42.5

77 52.8 42.6 64.0

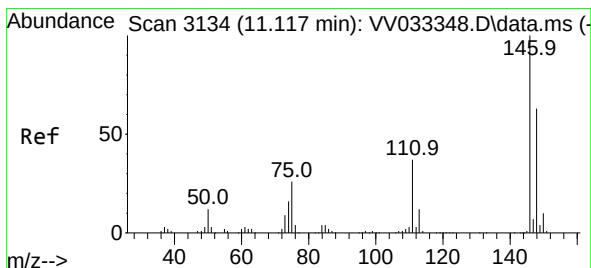
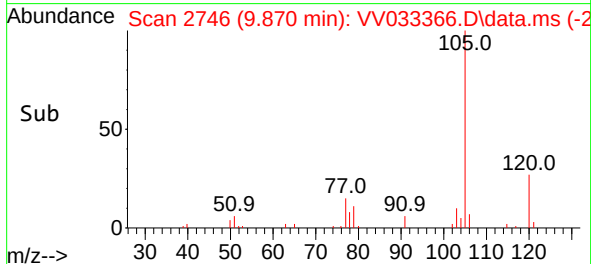
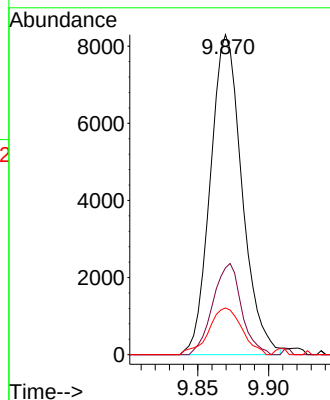
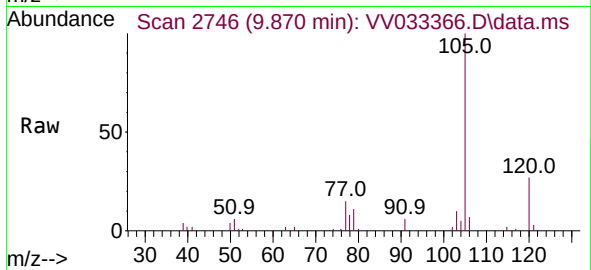




#60
Isopropylbenzene
Concen: 1.648 ug/L
RT: 9.870 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV033366.D
Acq: 15 Dec 2023 03:34

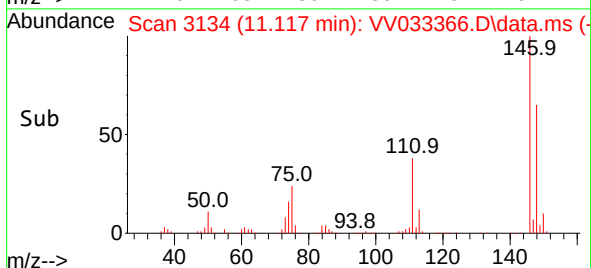
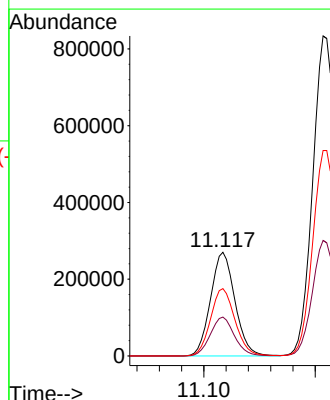
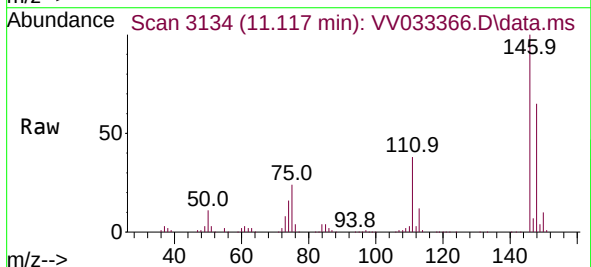
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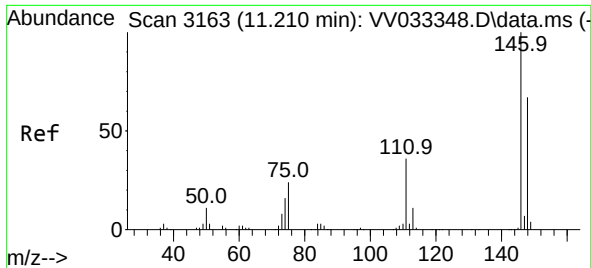
Tgt Ion:	105	Resp:	12914
Ion Ratio	Lower	Upper	
105	100		
120	25.8	21.3	31.9
77	15.3	12.0	18.0



#64
1,3-Dichlorobenzene
Concen: 98.313 ug/L
RT: 11.117 min Scan# 3134
Delta R.T. -0.000 min
Lab File: VV033366.D
Acq: 15 Dec 2023 03:34

Tgt Ion:	146	Resp:	411639
Ion Ratio	Lower	Upper	
146	100		
111	37.5	26.2	48.6
148	64.9	44.5	82.7

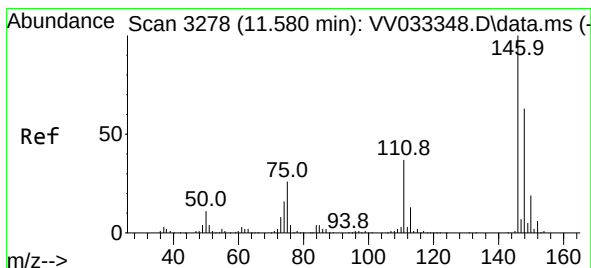
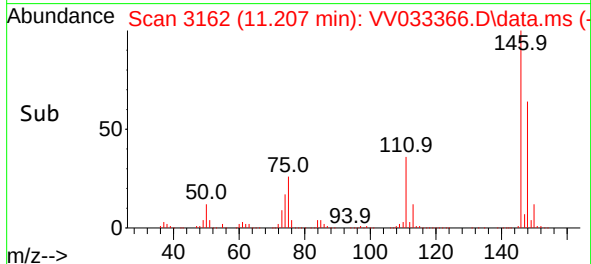
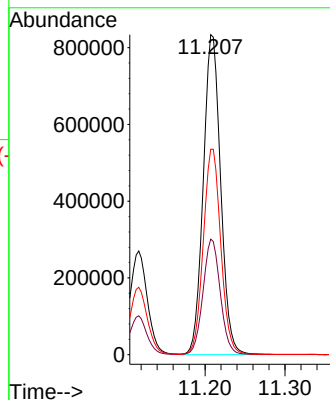
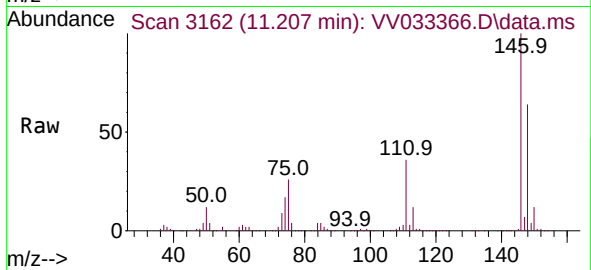




#65
1,4-Dichlorobenzene
Concen: 290.251 ug/L
RT: 11.207 min Scan# 3163
Delta R.T. 0.000 min
Lab File: VV033366.D
Acq: 15 Dec 2023 03:34

Instrument :
MSVOA_V
ClientSampleId :
F7B28

Tgt Ion:146 Resp: 1262409
Ion Ratio Lower Upper
146 100
111 36.1 25.9 48.1
148 64.2 44.9 83.5



#67
1,2-Dichlorobenzene
Concen: 79.448 ug/L
RT: 11.580 min Scan# 3278
Delta R.T. -0.000 min
Lab File: VV033366.D
Acq: 15 Dec 2023 03:34

Tgt Ion:146 Resp: 326117
Ion Ratio Lower Upper
146 100
111 38.9 32.4 48.6
148 66.2 51.8 77.8

