

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW011524\
 Data File : VW033648.D
 Acq On : 15 Jan 2024 17:22
 Operator : SY/MD
 Sample : P1131-16
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jan 16 03:47:27 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR011224WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Jan 16 03:40:53 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	108625	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	102277	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.188	152	52520	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	23973	4.036	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.800%
7) Chloroethane-d5	1.535	69	24225	4.599	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.000%
11) 1,1-Dichloroethene-d2	2.059	65	11717	4.377	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.600%
20) 2-Butanone-d5	3.831	46	70609	48.619	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.240%
24) Chloroform-d	4.249	84	59544	4.636	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.800%
26) 1,2-Dichloroethane-d4	4.947	65	29275	5.083	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.600%
32) Benzene-d6	4.963	84	114580	4.643	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.800%
36) 1,2-Dichloropropane-d6	5.989	67	37424	4.549	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.000%
41) Toluene-d8	7.246	98	100722	4.572	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.400%
43) trans-1,3-Dichloroprop...	7.561	79	12942	4.550	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.000%
46) 2-Hexanone-d5	8.030	63	57246	51.261	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.520%
56) 1,1,2,2-Tetrachloroeth...	10.156	84	25257	5.254	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.000%
66) 1,2-Dichlorobenzene-d4	11.561	152	38430	4.766	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.400%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.285	62	8034	0.711	ug/L #	9
8) Chloroethane	1.349	64	44018	6.414	ug/L #	50
18) trans-1,2-Dichloroethene	2.703	96	2616	0.302	ug/L	97
19) 1,1-Dichloroethane	3.114	63	51245	2.982	ug/L	99
22) cis-1,2-Dichloroethene	3.815	96	204954	22.630	ug/L	96
27) 1,2-Dichloroethane	5.053	62	11278	1.254	ug/L	99
33) Benzene	5.018	78	19691	0.542	ug/L	100
34) Trichloroethene	5.844	95	4070	0.421	ug/L	87
35) Methylcyclohexane	5.992	83	9000	0.550	ug/L #	15
37) 1,2-Dichloropropane	6.104	63	1149	0.127	ug/L #	87
39) cis-1,3-Dichloropropene	6.915	75	1002	0.078	ug/L #	56
51) Chlorobenzene	8.815	112	56289	2.393	ug/L	97
52) Ethylbenzene	8.960	91	2387	0.054	ug/L	95
61) 1,2,3-Trichloropropane	11.123	75	1621	0.385	ug/L #	45
64) 1,3-Dichlorobenzene	11.123	146	4480	0.244	ug/L	99
65) 1,4-Dichlorobenzene	11.210	146	17317	0.962	ug/L	95
67) 1,2-Dichlorobenzene	11.580	146	33379	2.090	ug/L	97
70) 1,2,4-trichlorobenzene	13.207	180	1968	0.166	ug/L #	87

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Jan 16 03:40:53 2024
Response via : Initial Calibration

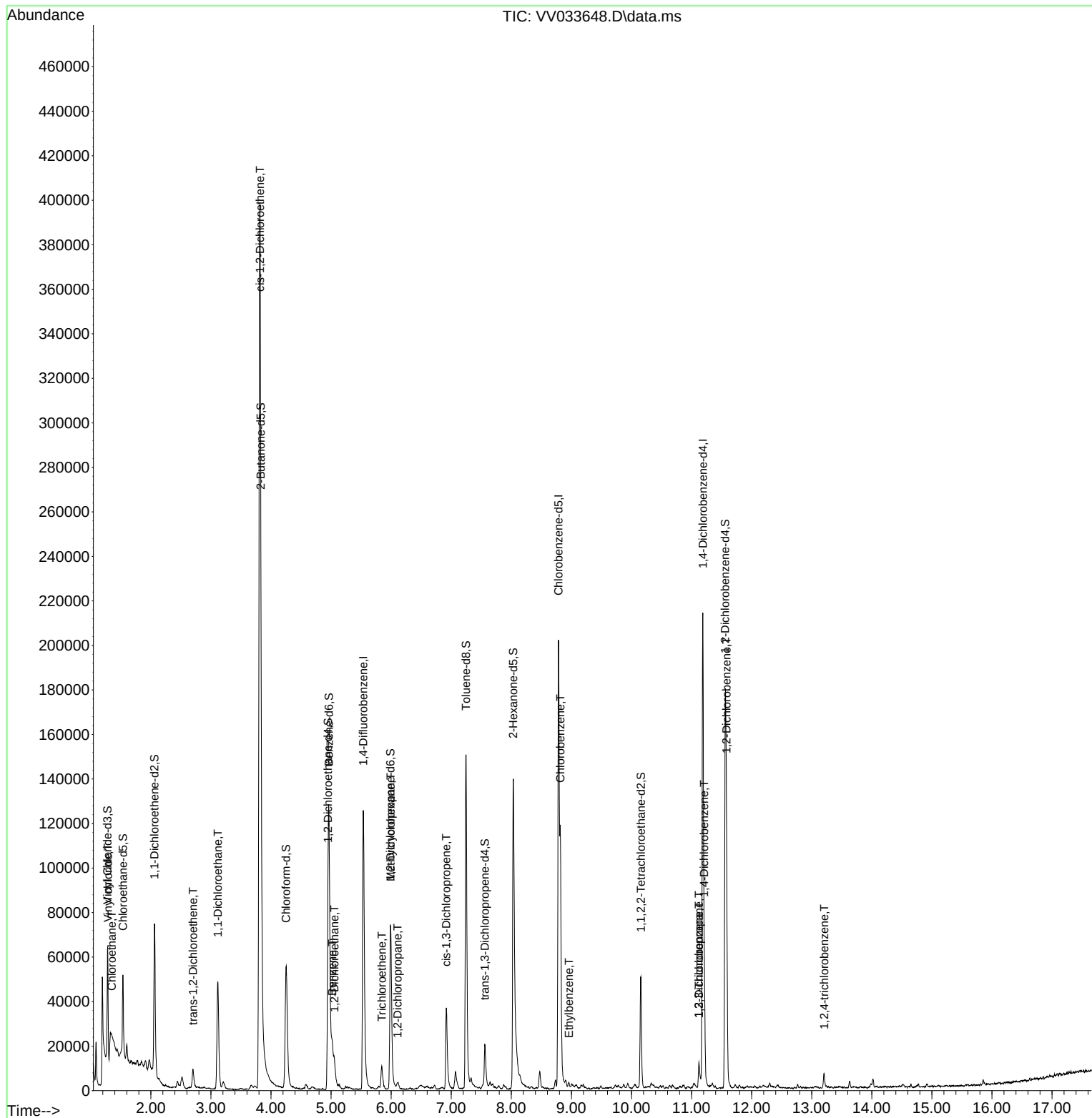
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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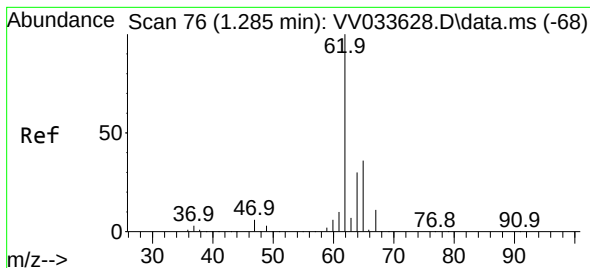
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.711 ug/L

RT: 1.285 min Scan# 70

Delta R.T. -0.000 min

Lab File: VV033648.D

Acq: 15 Jan 2024 17:22

Instrument :

MSVOA_V

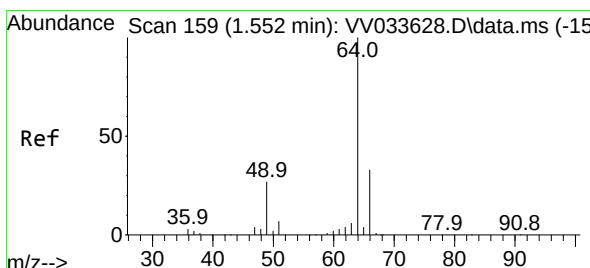
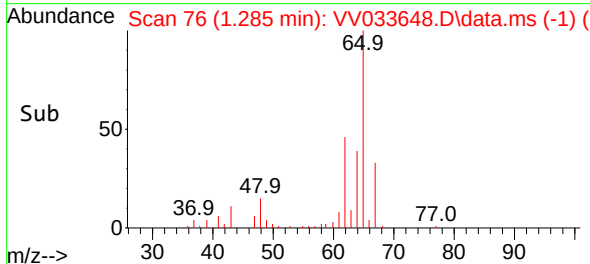
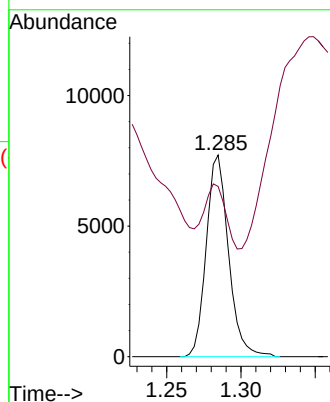
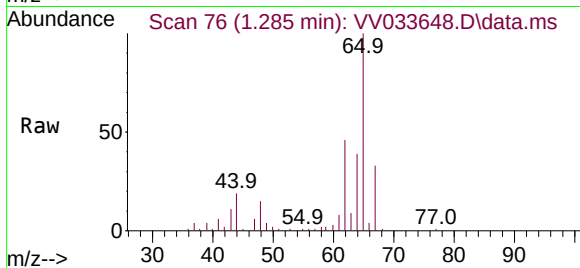
ClientSampleId :

Tgt Ion: 62 Resp: 8034

Ion Ratio Lower Upper

62 100

64 84.5 23.0 42.8#



#8

Chloroethane

Concen: 6.414 ug/L

RT: 1.349 min Scan# 96

Delta R.T. -0.203 min

Lab File: VV033648.D

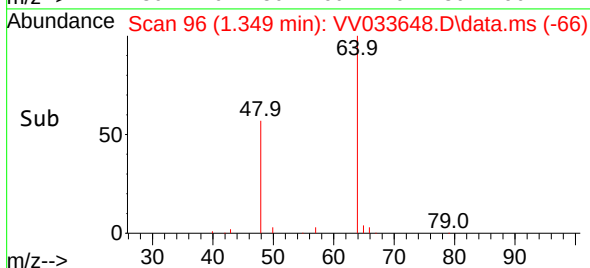
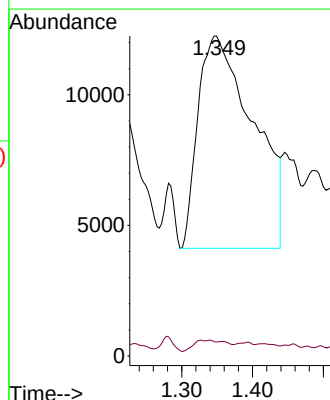
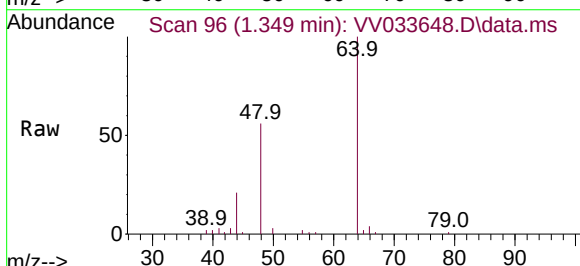
Acq: 15 Jan 2024 17:22

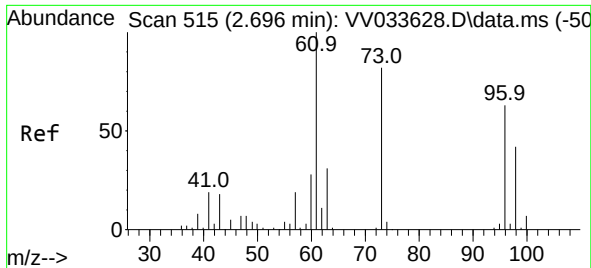
Tgt Ion: 64 Resp: 44018

Ion Ratio Lower Upper

64 100

66 4.3 22.6 42.0#

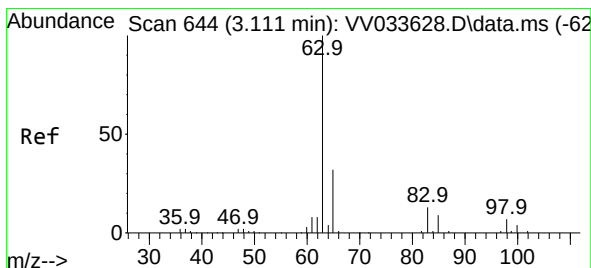
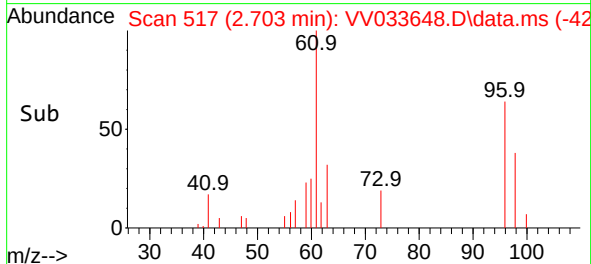
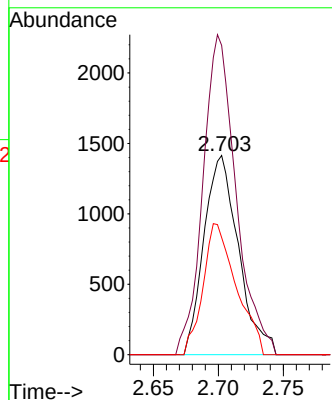
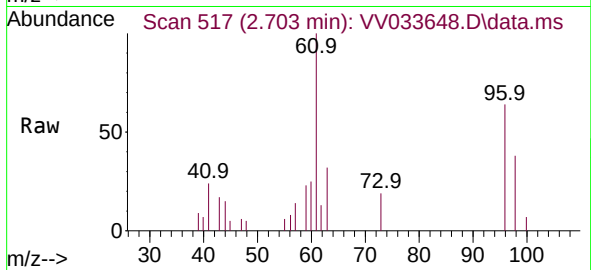




#18
trans-1,2-Dichloroethene
Concen: 0.302 ug/L
RT: 2.703 min Scan# 516
Delta R.T. 0.006 min
Lab File: VV033648.D
Acq: 15 Jan 2024 17:22

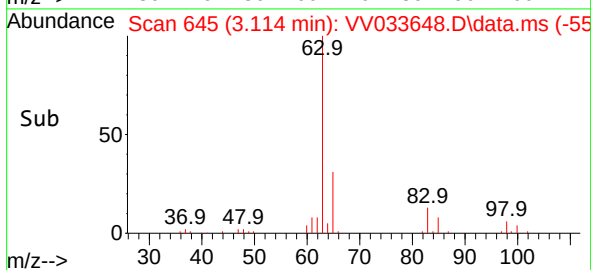
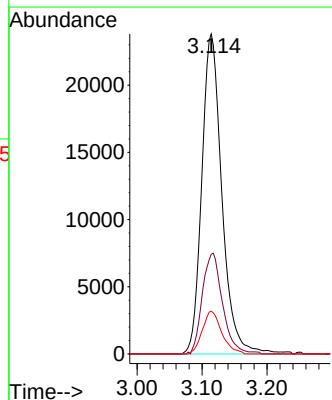
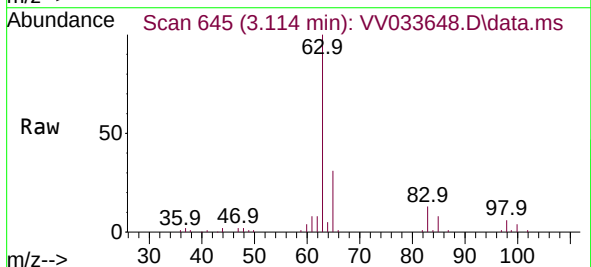
Instrument :
MSVOA_V
ClientSampleId :

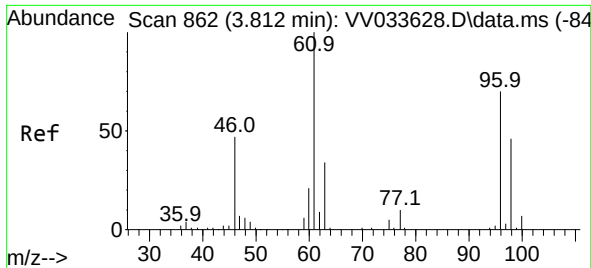
Tgt Ion: 96 Resp: 2616
Ion Ratio Lower Upper
96 100
61 155.3 110.4 205.0
98 58.8 44.1 81.9



#19
1,1-Dichloroethane
Concen: 2.982 ug/L
RT: 3.114 min Scan# 645
Delta R.T. 0.003 min
Lab File: VV033648.D
Acq: 15 Jan 2024 17:22

Tgt Ion: 63 Resp: 51245
Ion Ratio Lower Upper
63 100
65 31.2 21.6 40.2
83 13.3 9.1 16.9

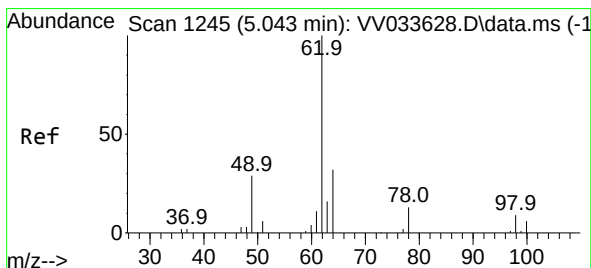
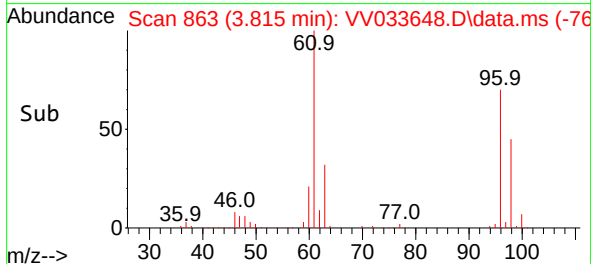
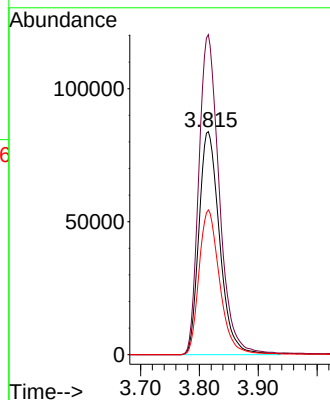
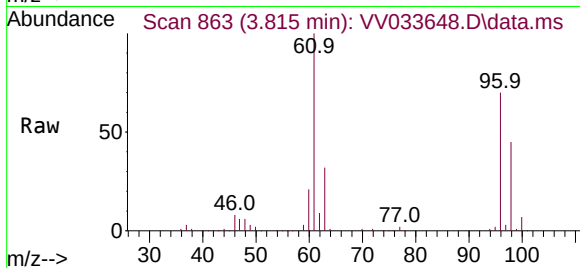




#22
 cis-1,2-Dichloroethene
 Concen: 22.630 ug/L
 RT: 3.815 min Scan# 80
 Delta R.T. 0.003 min
 Lab File: VV033648.D
 Acq: 15 Jan 2024 17:22

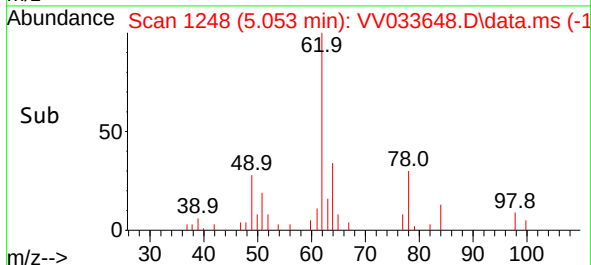
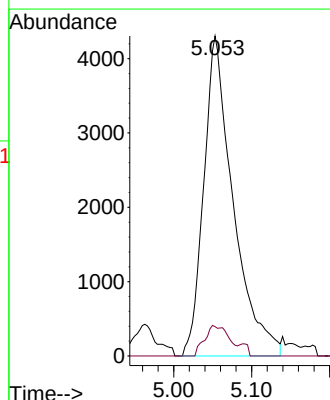
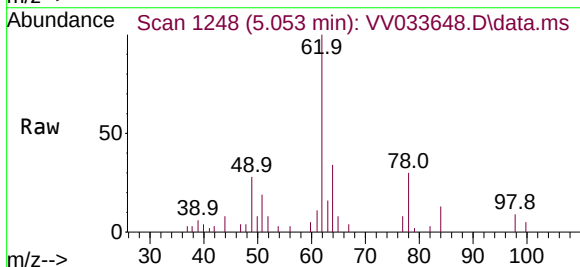
Instrument :
 MSVOA_V
 ClientSampleId :

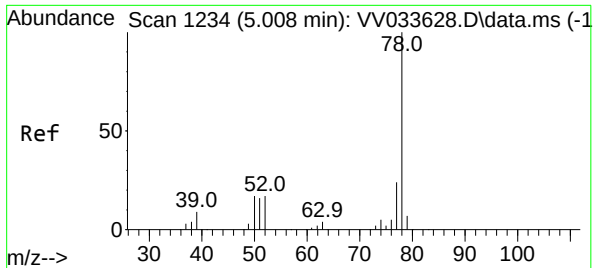
Tgt Ion: 96 Resp: 204954
 Ion Ratio Lower Upper
 96 100
 61 143.5 97.1 180.3
 98 64.9 42.6 79.0



#27
 1,2-Dichloroethane
 Concen: 1.254 ug/L
 RT: 5.053 min Scan# 1248
 Delta R.T. 0.010 min
 Lab File: VV033648.D
 Acq: 15 Jan 2024 17:22

Tgt Ion: 62 Resp: 11278
 Ion Ratio Lower Upper
 62 100
 98 9.2 7.0 10.6





#33

Benzene

Concen: 0.542 ug/L

RT: 5.018 min Scan# 1

Delta R.T. 0.010 min

Lab File: VV033648.D

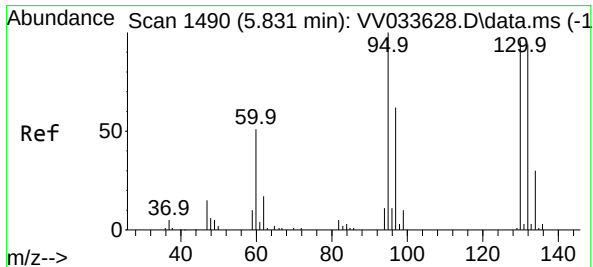
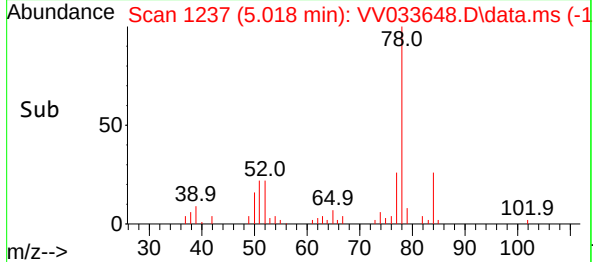
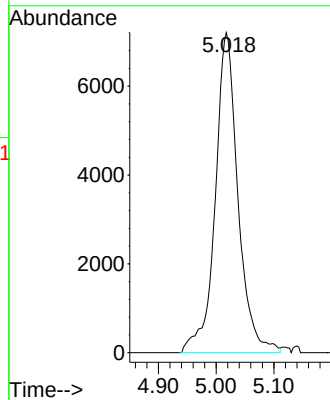
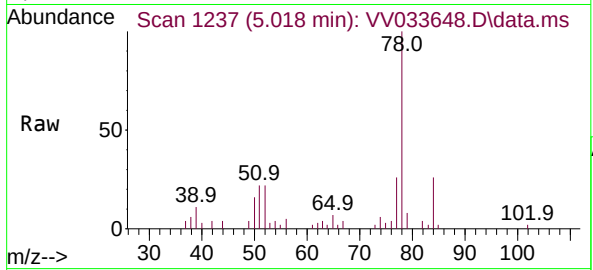
Acq: 15 Jan 2024 17:22

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 78 Resp: 19691



#34

Trichloroethene

Concen: 0.421 ug/L

RT: 5.844 min Scan# 1494

Delta R.T. 0.013 min

Lab File: VV033648.D

Acq: 15 Jan 2024 17:22

Tgt Ion: 95 Resp: 4070

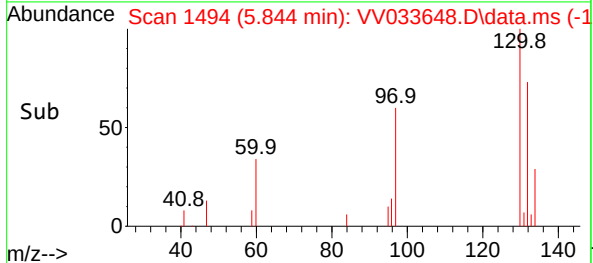
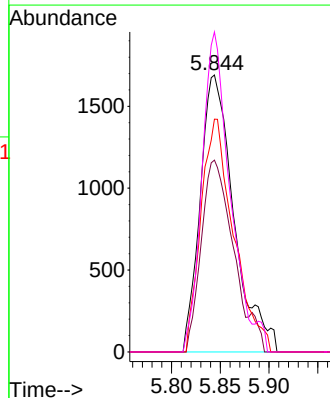
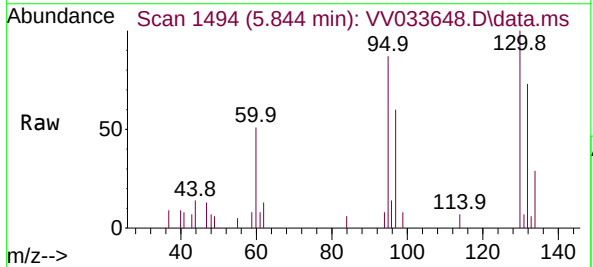
Ion Ratio Lower Upper

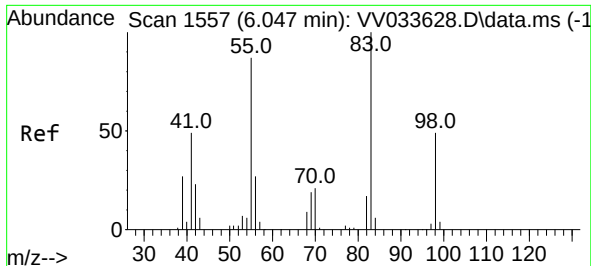
95 100

97 69.2 45.1 83.9

132 84.0 65.2 121.2

130 115.6 66.0 122.6





#35

Methylcyclohexane

Concen: 0.550 ug/L

RT: 5.992 min Scan# 1

Delta R.T. -0.055 min

Lab File: VV033648.D

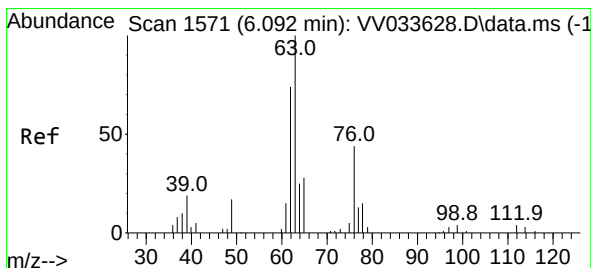
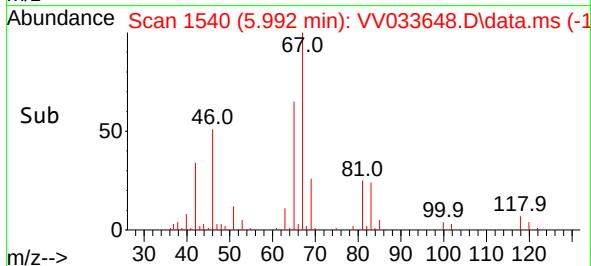
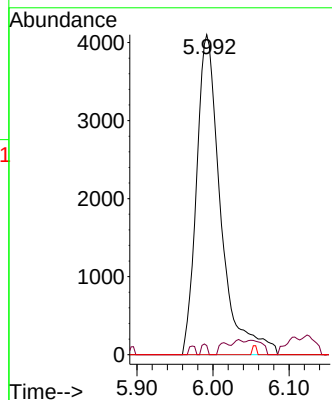
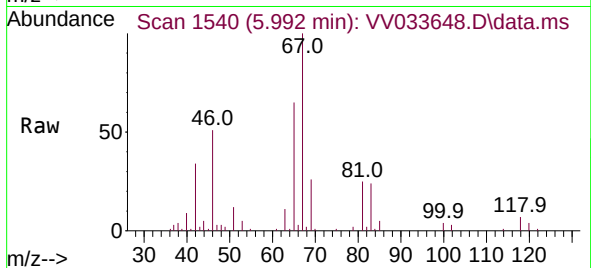
Acq: 15 Jan 2024 17:22

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 83	Resp: 9000
Ion Ratio	Lower Upper
83 100	
55 0.8	68.7 103.1#
98 0.0	38.3 57.5#



#37

1,2-Dichloropropane

Concen: 0.127 ug/L

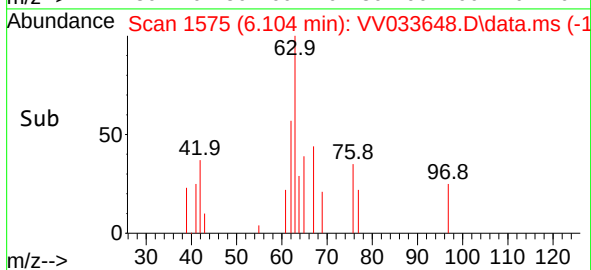
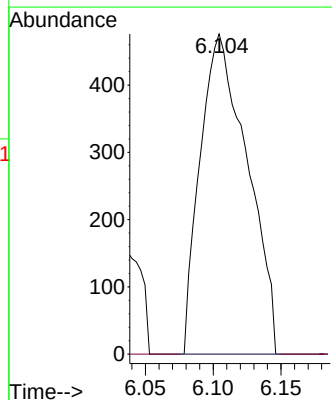
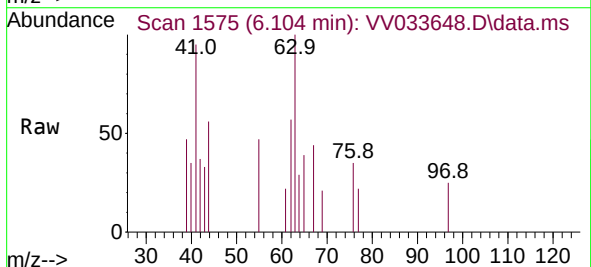
RT: 6.104 min Scan# 1575

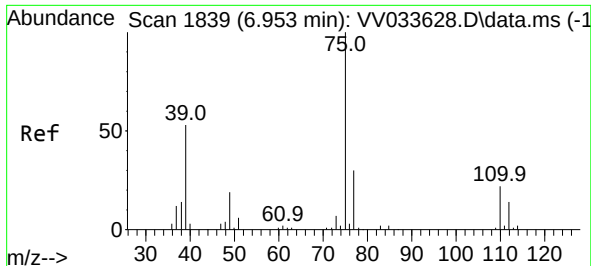
Delta R.T. 0.013 min

Lab File: VV033648.D

Acq: 15 Jan 2024 17:22

Tgt Ion: 63	Resp: 1149
Ion Ratio	Lower Upper
63 100	
112 0.0	3.4 5.2#





#39

cis-1,3-Dichloropropene

Concen: 0.078 ug/L

RT: 6.915 min Scan# 1827

Delta R.T. -0.039 min

Lab File: VV033648.D

Acq: 15 Jan 2024 17:22

Instrument :

MSVOA_V

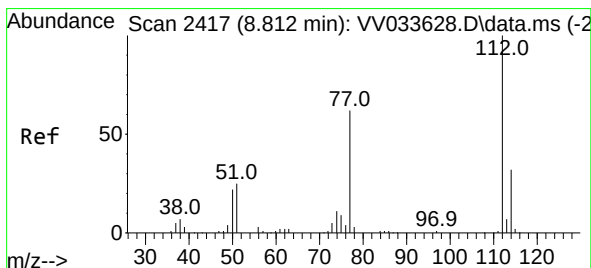
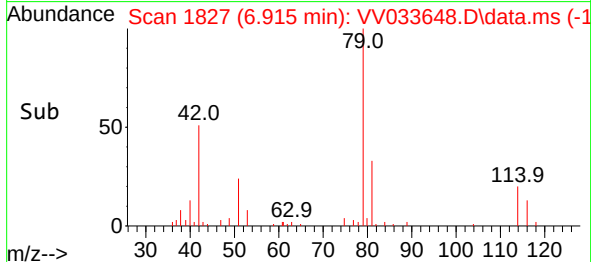
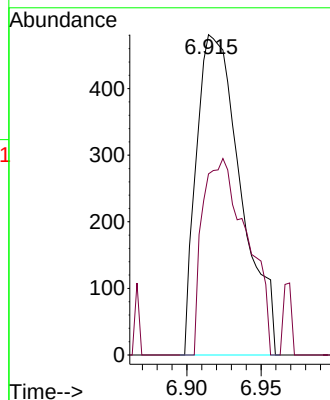
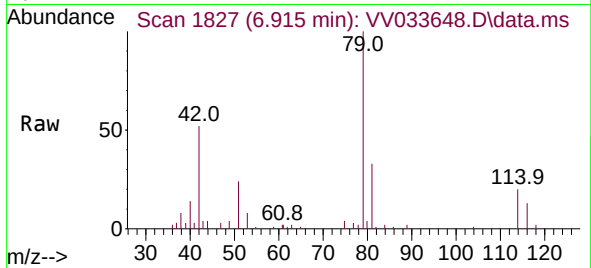
ClientSampleId :

Tgt Ion: 75 Resp: 1002

Ion Ratio Lower Upper

75 100

77 56.5 22.5 41.7#



#51

Chlorobenzene

Concen: 2.393 ug/L

RT: 8.815 min Scan# 2418

Delta R.T. 0.003 min

Lab File: VV033648.D

Acq: 15 Jan 2024 17:22

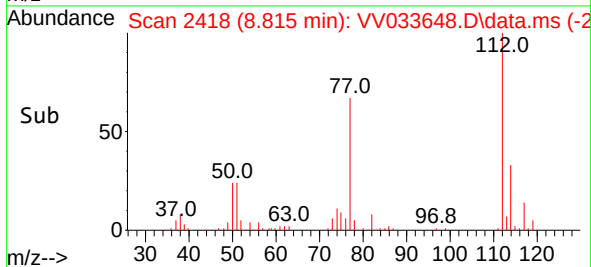
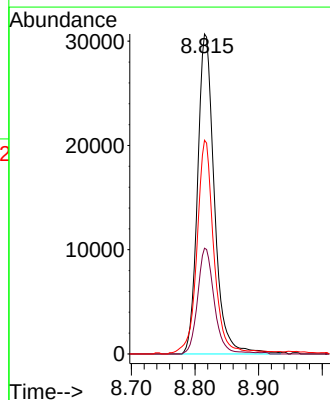
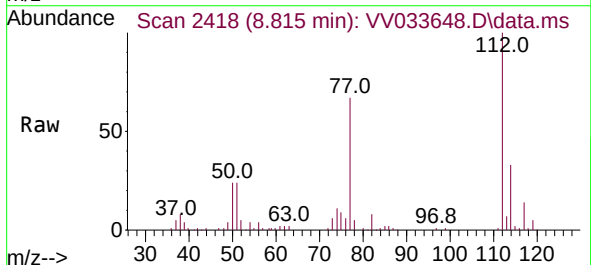
Tgt Ion: 112 Resp: 56289

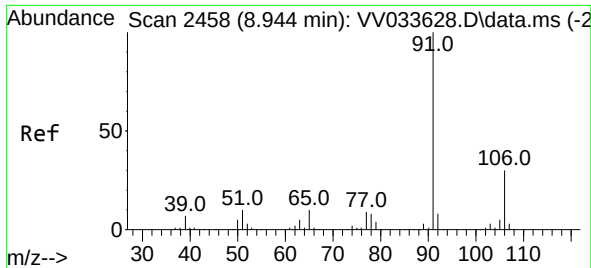
Ion Ratio Lower Upper

112 100

114 33.1 22.9 42.5

77 66.8 50.8 76.2

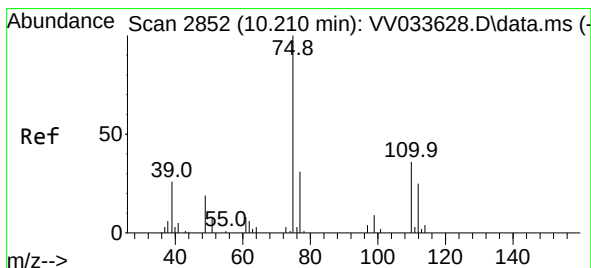
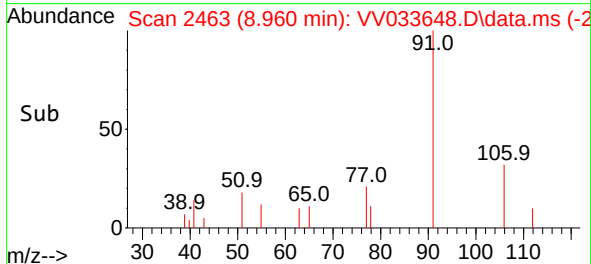
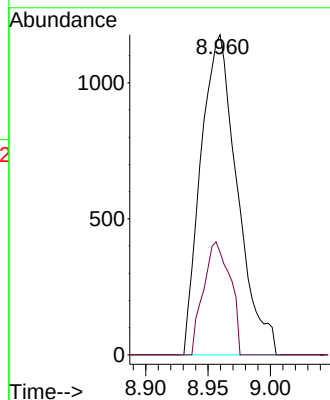
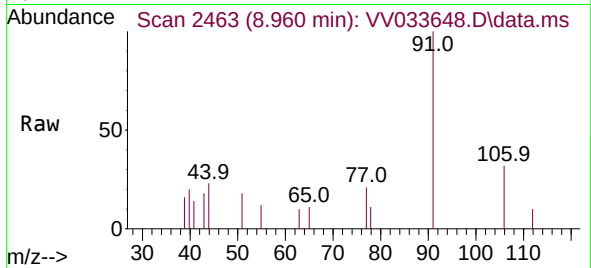




#52
Ethylbenzene
Concen: 0.054 ug/L
RT: 8.960 min Scan# 2458
Delta R.T. 0.016 min
Lab File: VV033648.D
Acq: 15 Jan 2024 17:22

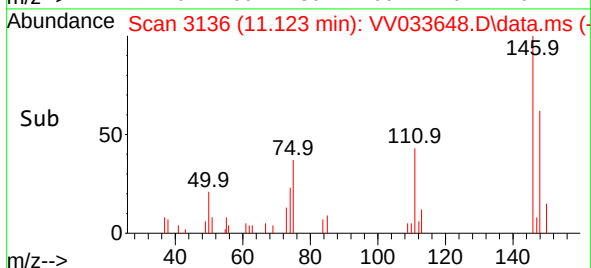
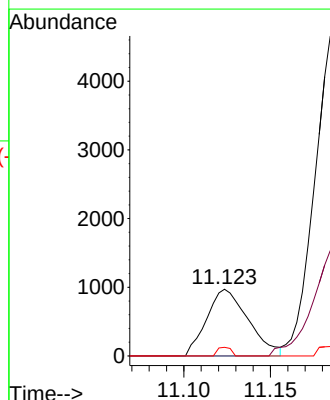
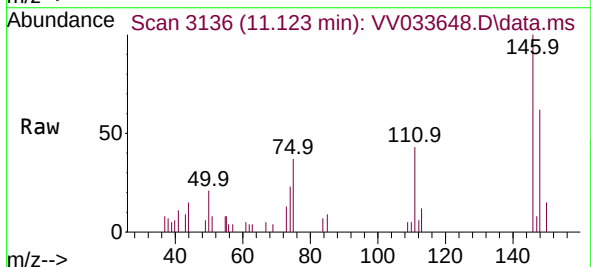
Instrument :
MSVOA_V
ClientSampleId :

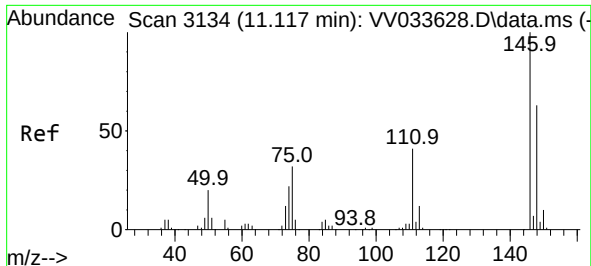
Tgt Ion: 91 Resp: 2387
Ion Ratio Lower Upper
91 100
106 32.0 20.6 38.4



#61
1,2,3-Trichloropropane
Concen: 0.385 ug/L
RT: 11.123 min Scan# 3136
Delta R.T. 0.913 min
Lab File: VV033648.D
Acq: 15 Jan 2024 17:22

Tgt Ion: 75 Resp: 1621
Ion Ratio Lower Upper
75 100
77 0.0 24.7 37.1#
110 4.2 28.0 42.0#





#64

1,3-Dichlorobenzene

Concen: 0.244 ug/L

RT: 11.123 min Scan# 3136

Delta R.T. 0.006 min

Lab File: VV033648.D

Acq: 15 Jan 2024 17:22

Instrument :

MSVOA_V

ClientSampleId :

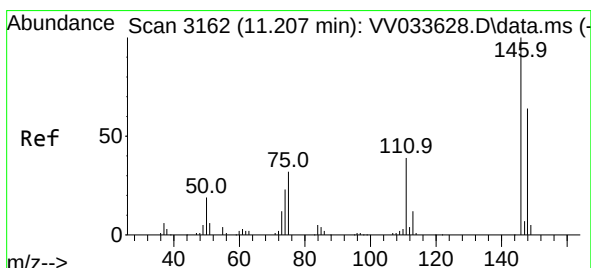
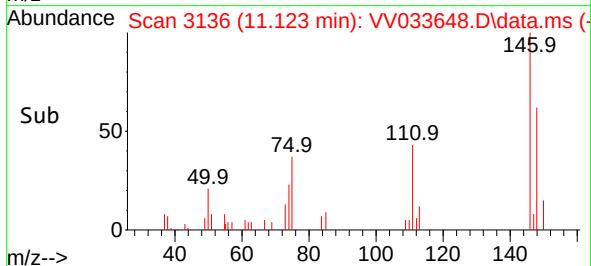
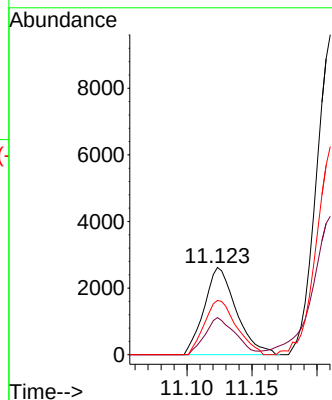
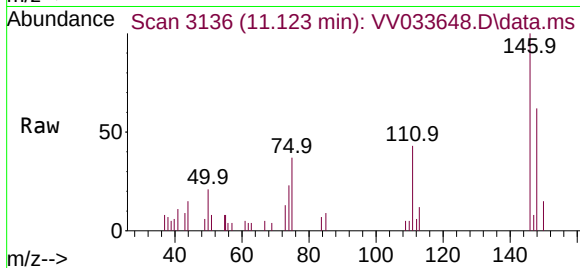
Tgt Ion:146 Resp: 4480

Ion Ratio Lower Upper

146 100

111 42.5 29.2 54.2

148 62.2 44.1 81.9



#65

1,4-Dichlorobenzene

Concen: 0.962 ug/L

RT: 11.210 min Scan# 3163

Delta R.T. 0.003 min

Lab File: VV033648.D

Acq: 15 Jan 2024 17:22

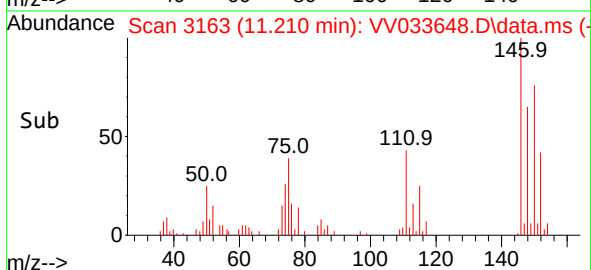
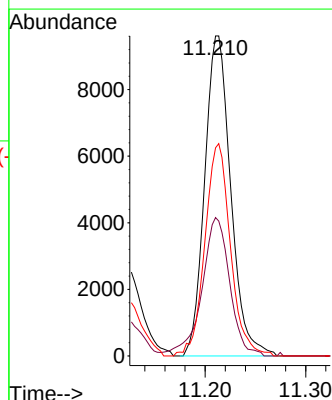
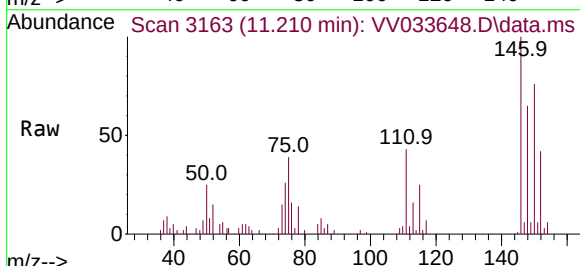
Tgt Ion:146 Resp: 17317

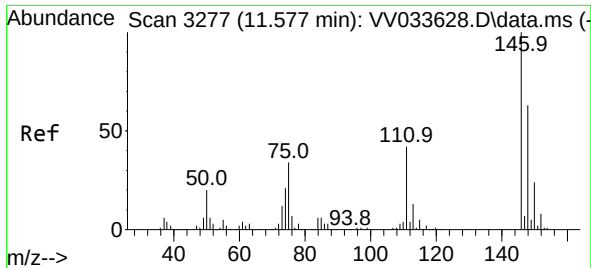
Ion Ratio Lower Upper

146 100

111 43.3 27.5 51.1

148 65.0 43.3 80.5





#67

1,2-Dichlorobenzene

Concen: 2.090 ug/L

RT: 11.580 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV033648.D

Acq: 15 Jan 2024 17:22

Instrument :

MSVOA_V

ClientSampleId :

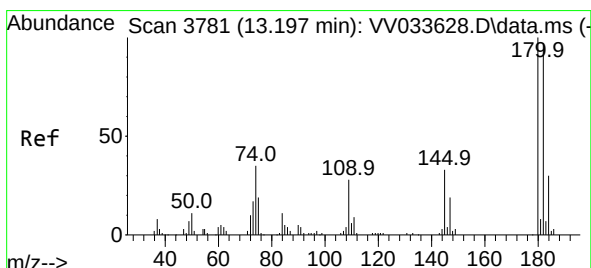
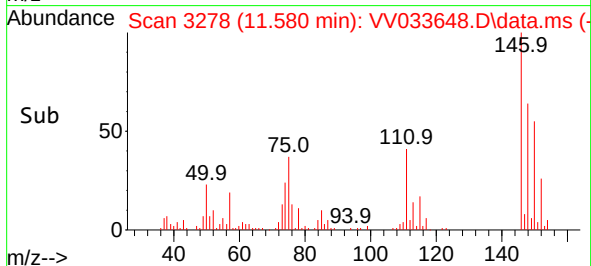
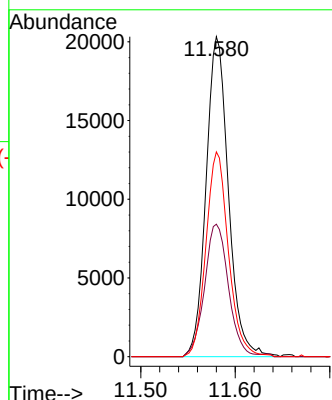
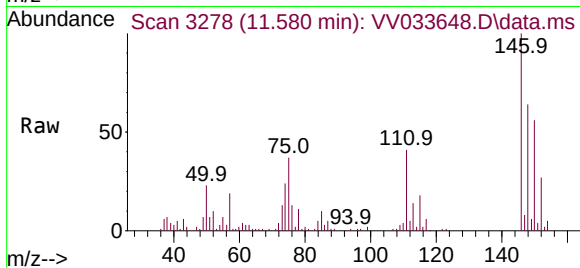
Tgt Ion:146 Resp: 33379

Ion Ratio Lower Upper

146 100

111 41.4 36.1 54.1

148 64.0 52.2 78.2



#70

1,2,4-trichlorobenzene

Concen: 0.166 ug/L

RT: 13.207 min Scan# 3784

Delta R.T. 0.010 min

Lab File: VV033648.D

Acq: 15 Jan 2024 17:22

Tgt Ion:180 Resp: 1968

Ion Ratio Lower Upper

180 100

182 97.9 75.0 112.6

145 52.1 24.8 37.2#

