

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW091123\
 Data File : VW032030.D
 Acq On : 11 Sep 2023 16:45
 Operator : SY/MD
 Sample : 04306-08 40X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 12 06:01:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR082323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Sep 09 21:51:31 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	116019	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	115666	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	61815	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	18507	4.723	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.400%
7) Chloroethane-d5	1.532	69	22807	5.081	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.600%
11) 1,1-Dichloroethene-d2	2.060	65	10616	4.603	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.000%
20) 2-Butanone-d5	3.799	46	110265	58.131	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.260%
24) Chloroform-d	4.256	84	56309	4.246	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.000%
26) 1,2-Dichloroethane-d4	4.953	65	29014	4.246	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.000%
32) Benzene-d6	4.966	84	110381	4.194	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.800%
36) 1,2-Dichloropropane-d6	5.995	67	39990	4.309	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.200%
41) Toluene-d8	7.249	98	96466	3.950	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.000%
43) trans-1,3-Dichloroprop...	7.567	79	10860	3.209	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	64.200%
46) 2-Hexanone-d5	8.030	63	80185	44.437	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.880%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	29167	4.380	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.600%
66) 1,2-Dichlorobenzene-d4	11.567	152	36750	3.671	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	73.400%#
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.281	62	15658	2.152	ug/L	93
12) 1,1-Dichloroethene	2.069	96	5232	1.002	ug/L #	1
16) Methylene chloride	2.452	84	3356	0.395	ug/L	90
18) trans-1,2-Dichloroethene	2.699	96	12220	2.064	ug/L	92
22) cis-1,2-Dichloroethene	3.815	96	3655963	536.089	ug/L	97
27) 1,2-Dichloroethane	4.963	62	729	0.098	ug/L #	75
34) Trichloroethene	5.834	95	876114	112.507	ug/L	98
37) 1,2-Dichloropropane	5.995	63	4502	0.613	ug/L #	87
39) cis-1,3-Dichloropropene	6.921	75	720	0.064	ug/L #	74
45) 1,1,2-Trichloroethane	7.780	97	1554	0.296	ug/L	96
47) Tetrachloroethene	7.908	164	196041	39.408	ug/L	98
49) Dibromochloromethane	7.908	129	185426	33.865	ug/L #	11
51) Chlorobenzene	8.828	112	1864	0.099	ug/L #	80
61) 1,2,3-Trichloropropane	11.130	75	899	0.197	ug/L #	46
64) 1,3-Dichlorobenzene	11.127	146	2816	0.185	ug/L	94
65) 1,4-Dichlorobenzene	11.214	146	1547	0.099	ug/L	93
67) 1,2-Dichlorobenzene	11.587	146	1378	0.099	ug/L #	81
70) 1,2,4-trichlorobenzene	13.204	180	20256	1.964	ug/L	99
72) 1,2,3-Trichlorobenzene	13.686	180	5631	0.648	ug/L	97

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ClientSampleId :

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR082323WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Sep 09 21:51:31 2023
Response via : Initial Calibration

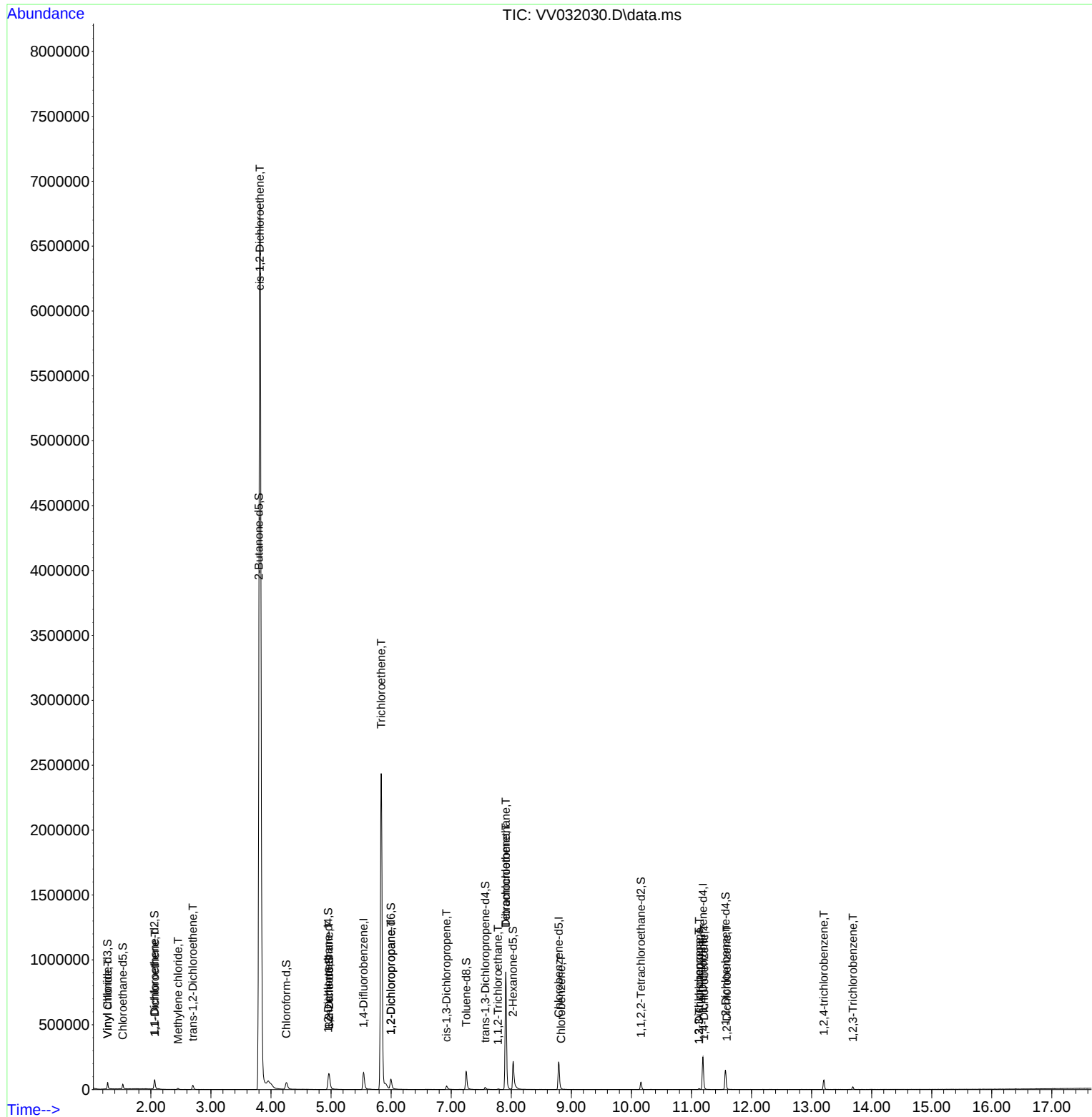
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

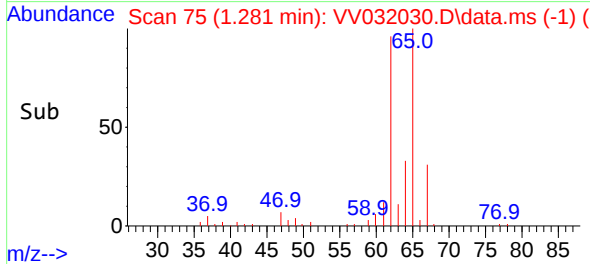
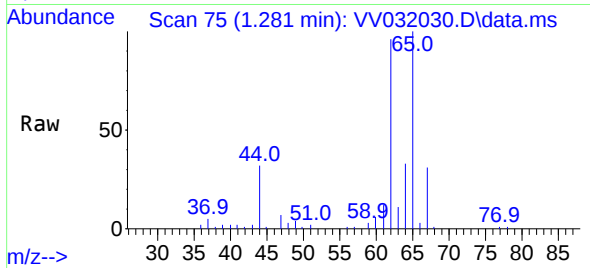
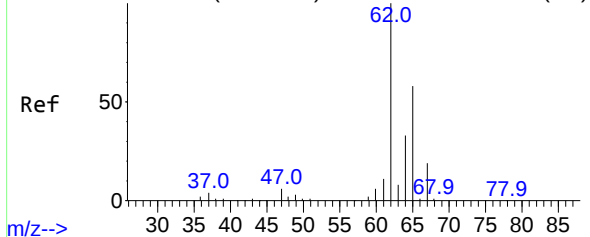
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Abundance Scan 75 (1.281 min): VV032013.D\data.ms (-67)



#5

Vinyl chloride

Concen: 2.152 ug/L

RT: 1.281 min Scan# 71

Delta R.T. 0.000 min

Lab File: VV032030.D

Acq: 11 Sep 2023 16:45

Instrument :

MSVOA_V

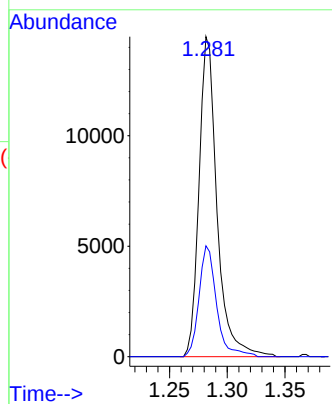
ClientSampleId :

Tgt Ion: 62 Resp: 15658

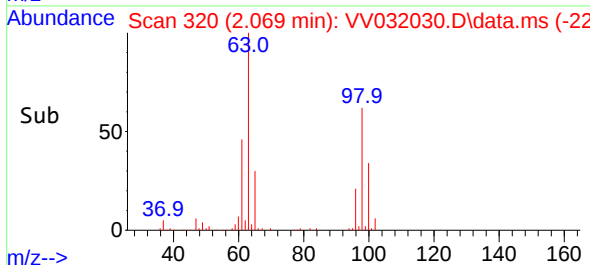
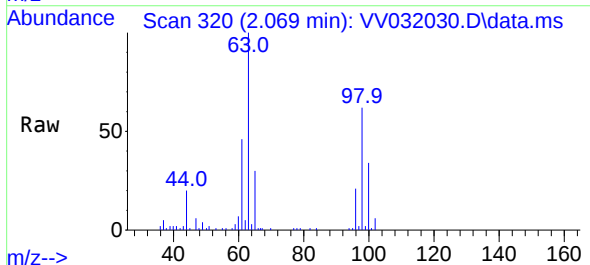
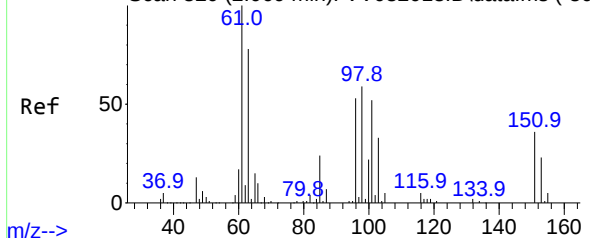
Ion Ratio Lower Upper

62 100

64 34.6 21.7 40.3



Abundance Scan 320 (2.069 min): VV032013.D\data.ms (-30)



#12

1,1-Dichloroethene

Concen: 1.002 ug/L

RT: 2.069 min Scan# 320

Delta R.T. 0.000 min

Lab File: VV032030.D

Acq: 11 Sep 2023 16:45

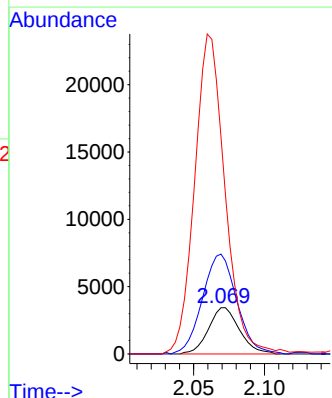
Tgt Ion: 96 Resp: 5232

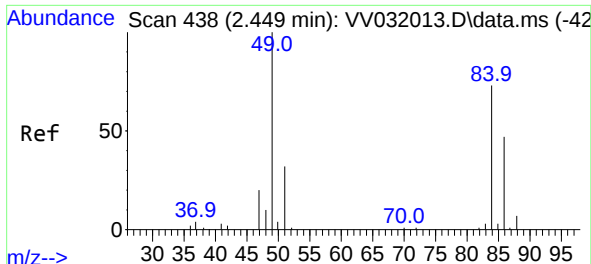
Ion Ratio Lower Upper

96 100

61 215.6 129.0 239.6

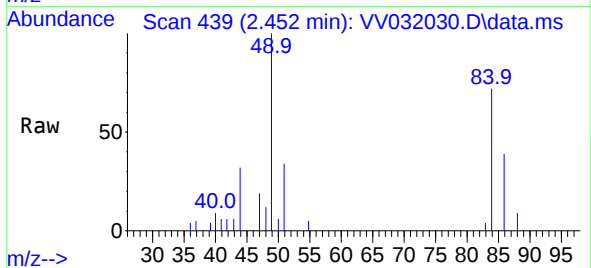
63 468.8 99.0 183.8#



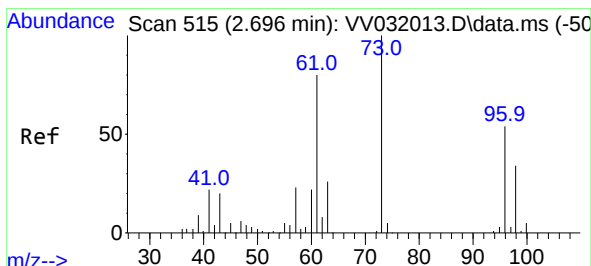
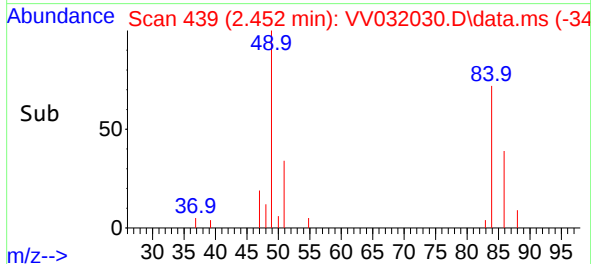
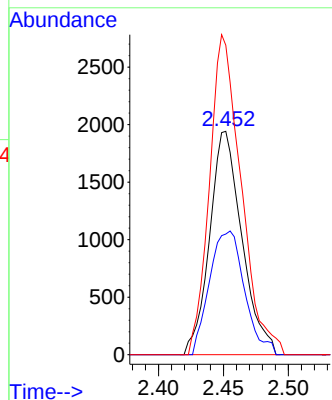


#16
Methylene chloride
Concen: 0.395 ug/L
RT: 2.452 min Scan# 41
Delta R.T. 0.003 min
Lab File: VV032030.D
Acq: 11 Sep 2023 16:45

Instrument :
MSVOA_V
ClientSampleId :

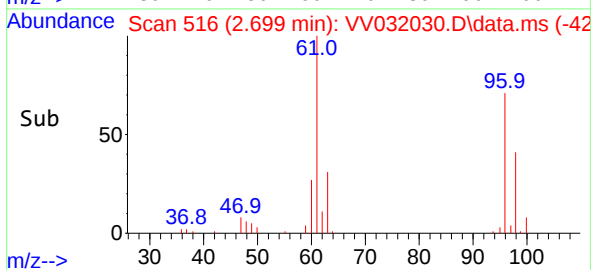
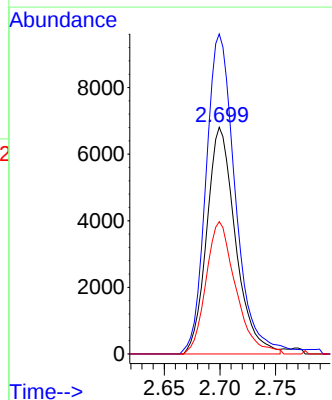
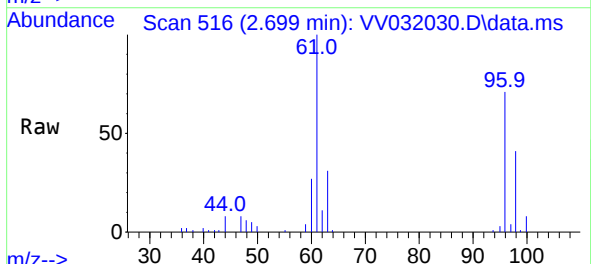


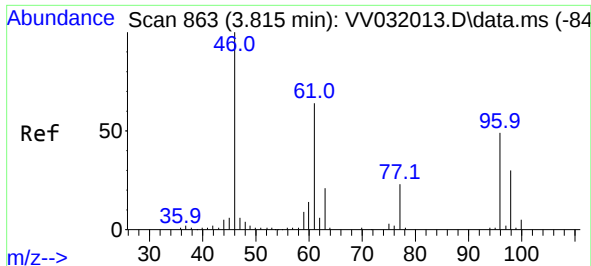
Tgt Ion: 84 Resp: 3356
Ion Ratio Lower Upper
84 100
86 54.0 42.6 79.2
49 138.5 88.5 164.4



#18
trans-1,2-Dichloroethene
Concen: 2.064 ug/L
RT: 2.699 min Scan# 516
Delta R.T. 0.003 min
Lab File: VV032030.D
Acq: 11 Sep 2023 16:45

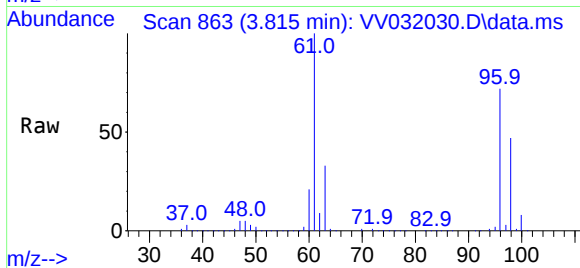
Tgt Ion: 96 Resp: 12220
Ion Ratio Lower Upper
96 100
61 141.2 106.8 198.4
98 58.4 44.9 83.3





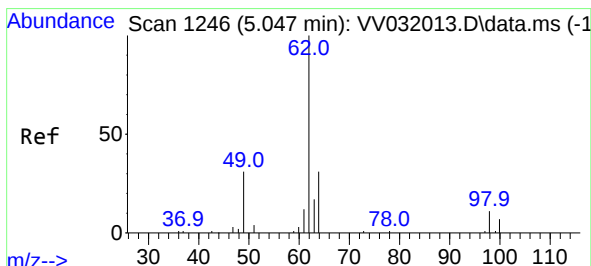
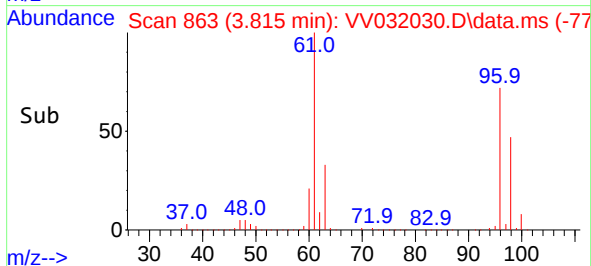
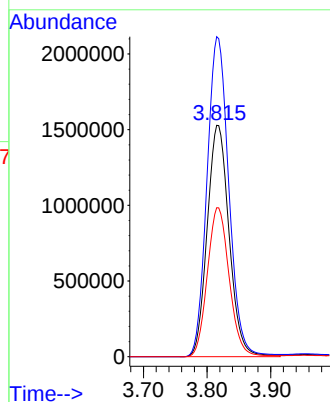
#22
 cis-1,2-Dichloroethene
 Concen: 536.089 ug/L
 RT: 3.815 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: VV032030.D
 Acq: 11 Sep 2023 16:45

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion: 96 Resp: 3655963

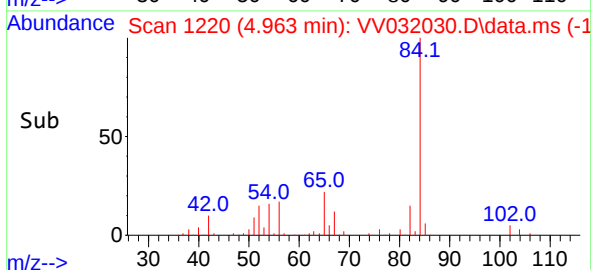
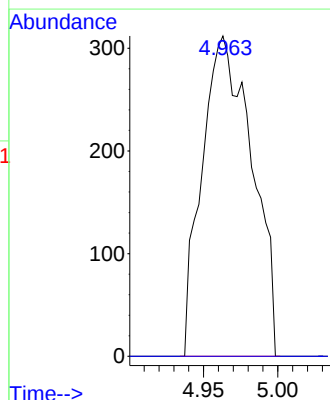
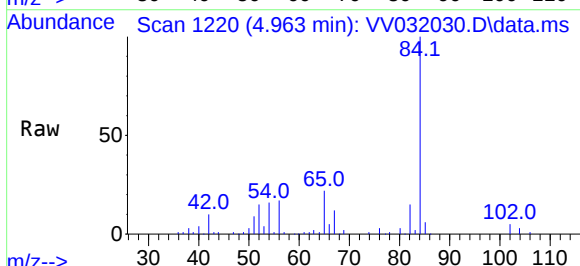
Ion	Ratio	Lower	Upper
96	100		
61	138.3	94.1	174.8
98	64.4	43.8	81.4

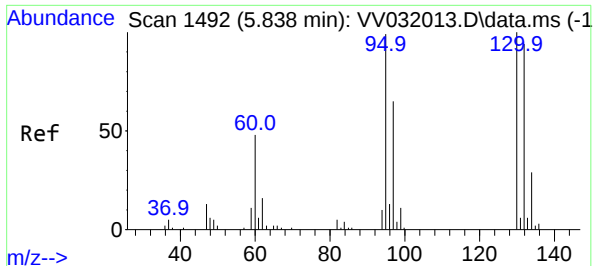


#27
 1,2-Dichloroethane
 Concen: 0.098 ug/L
 RT: 4.963 min Scan# 1220
 Delta R.T. -0.084 min
 Lab File: VV032030.D
 Acq: 11 Sep 2023 16:45

Tgt Ion: 62 Resp: 729

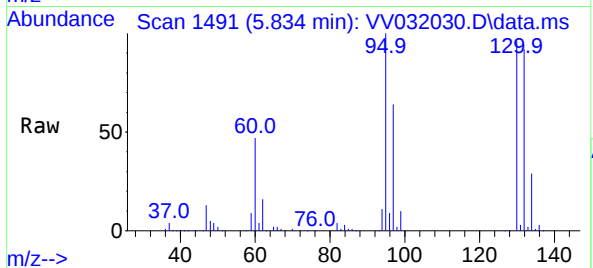
Ion	Ratio	Lower	Upper
62	100		
98	0.0	7.2	10.8#



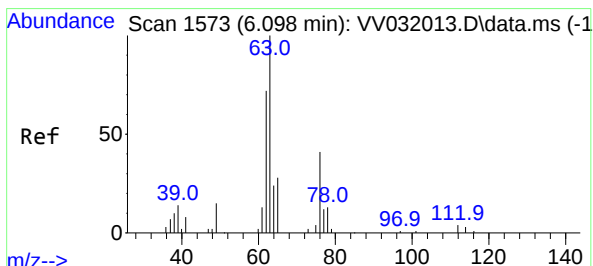
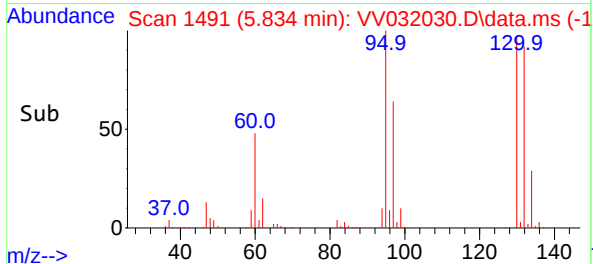
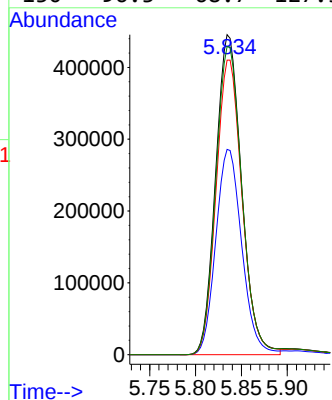


#34
Trichloroethene
Concen: 112.507 ug/L
RT: 5.834 min Scan# 1492
Delta R.T. -0.003 min
Lab File: VV032030.D
Acq: 11 Sep 2023 16:45

Instrument :
MSVOA_V
ClientSampleId :

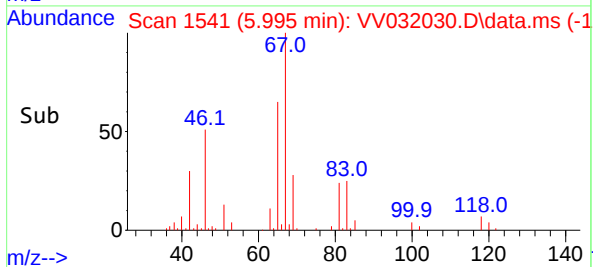
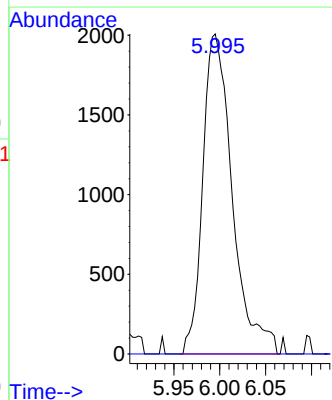
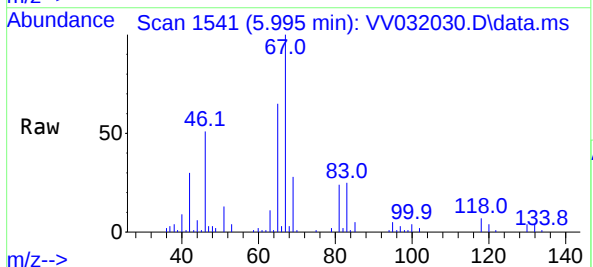


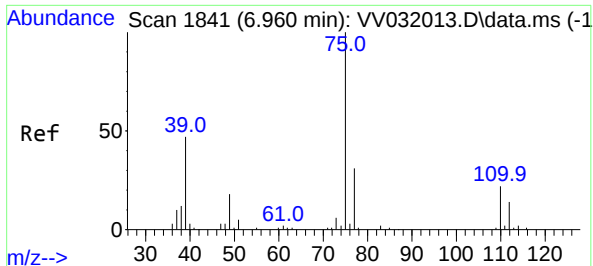
Tgt Ion: 95 Resp: 876114
Ion Ratio Lower Upper
95 100
97 64.2 47.7 88.7
132 92.0 63.8 118.4
130 96.3 68.7 127.5



#37
1,2-Dichloropropane
Concen: 0.613 ug/L
RT: 5.995 min Scan# 1541
Delta R.T. -0.103 min
Lab File: VV032030.D
Acq: 11 Sep 2023 16:45

Tgt Ion: 63 Resp: 4502
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.2#





#39

cis-1,3-Dichloropropene

Concen: 0.064 ug/L

RT: 6.921 min Scan# 11

Delta R.T. -0.038 min

Lab File: VV032030.D

Acq: 11 Sep 2023 16:45

Instrument :

MSVOA_V

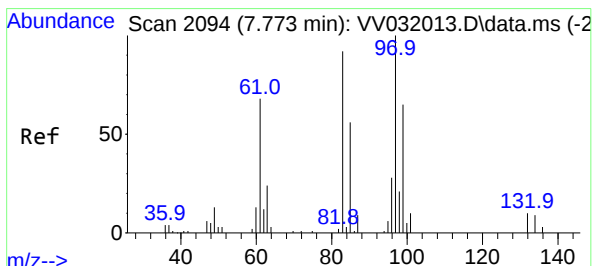
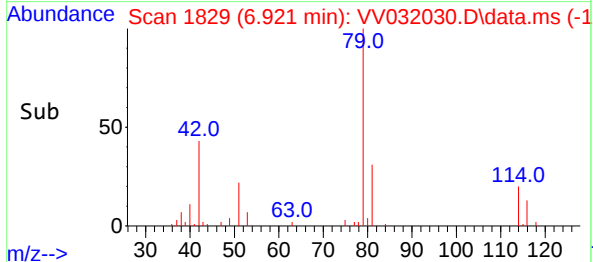
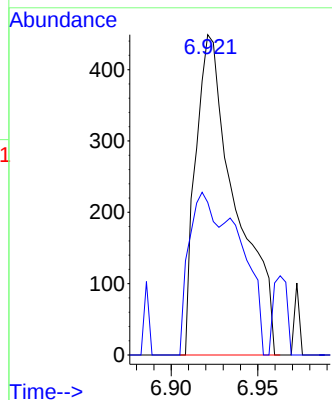
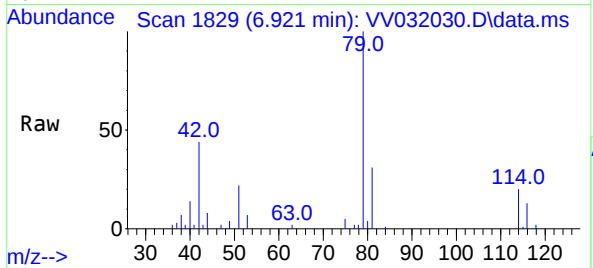
ClientSampleId :

Tgt Ion: 75 Resp: 720

Ion Ratio Lower Upper

75 100

77 47.7 23.2 43.2#



#45

1,1,2-Trichloroethane

Concen: 0.296 ug/L

RT: 7.780 min Scan# 2096

Delta R.T. 0.007 min

Lab File: VV032030.D

Acq: 11 Sep 2023 16:45

Tgt Ion: 97 Resp: 1554

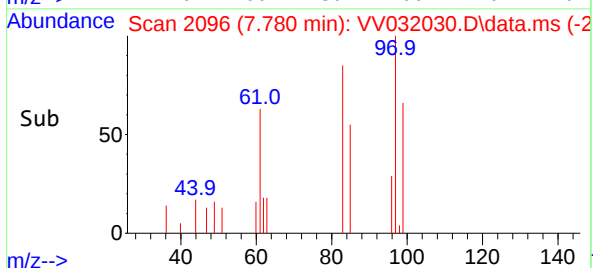
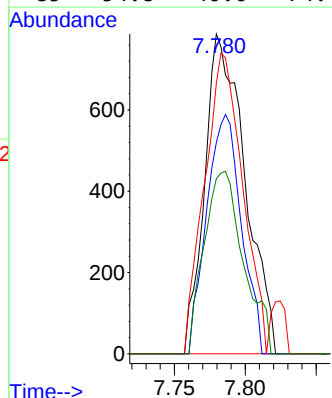
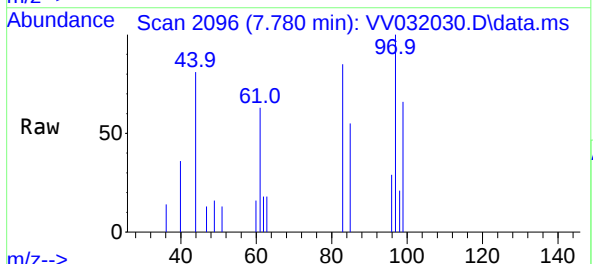
Ion Ratio Lower Upper

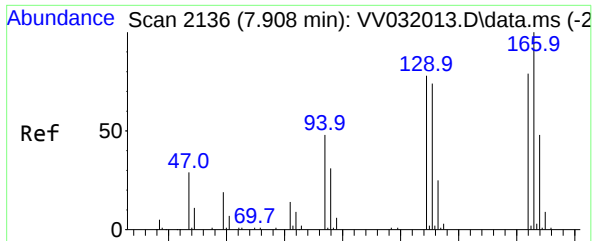
97 100

99 66.1 44.3 82.3

83 84.6 62.7 116.5

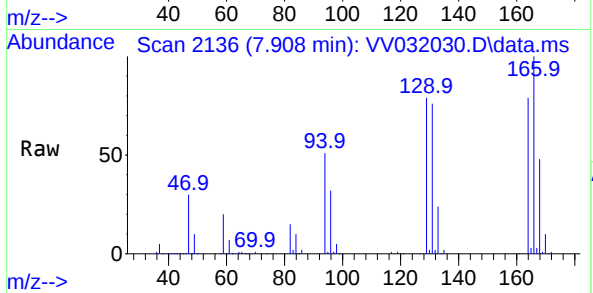
85 54.8 40.0 74.4



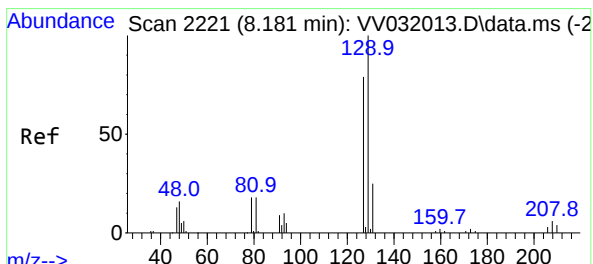
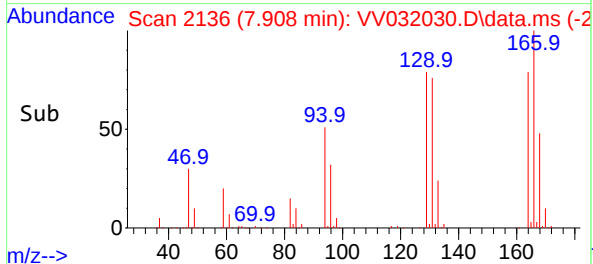
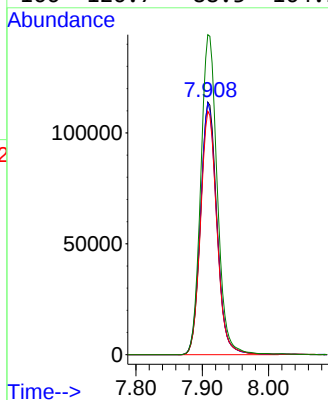


#47
Tetrachloroethene
Concen: 39.408 ug/L
RT: 7.908 min Scan# 2136
Delta R.T. 0.000 min
Lab File: VV032030.D
Acq: 11 Sep 2023 16:45

Instrument :
MSVOA_V
ClientSampleId :

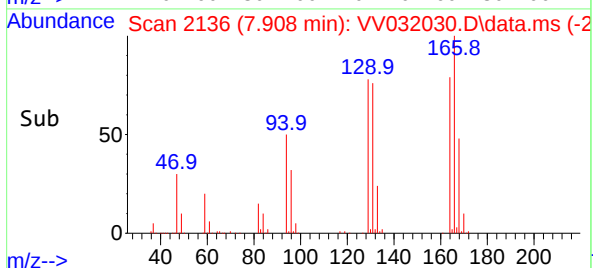
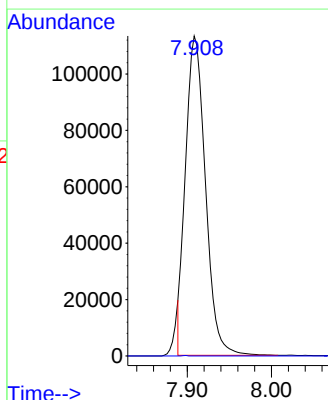
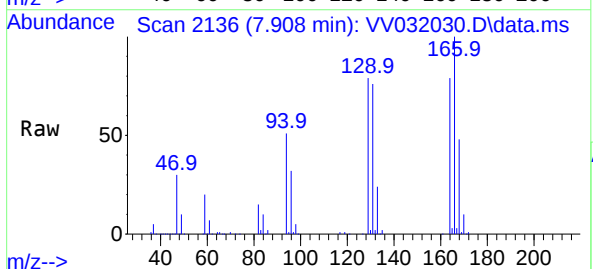


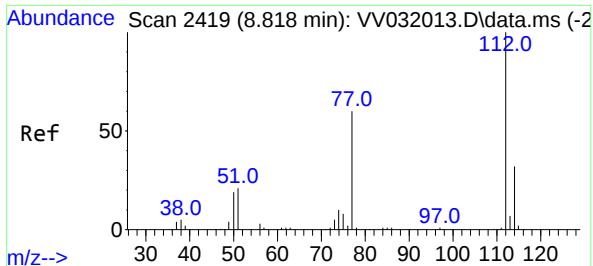
Tgt Ion:164 Resp: 196041
Ion Ratio Lower Upper
164 100
129 99.7 70.6 131.2
131 96.4 64.6 120.0
166 126.7 88.3 164.1



#49
Dibromochloromethane
Concen: 33.865 ug/L
RT: 7.908 min Scan# 2136
Delta R.T. -0.273 min
Lab File: VV032030.D
Acq: 11 Sep 2023 16:45

Tgt Ion:129 Resp: 185426
Ion Ratio Lower Upper
129 100
127 0.0 53.7 99.7#

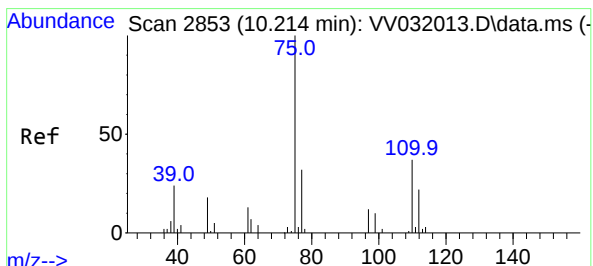
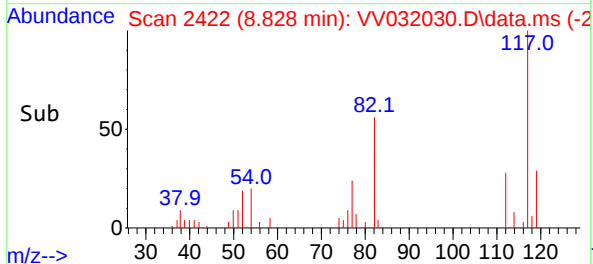
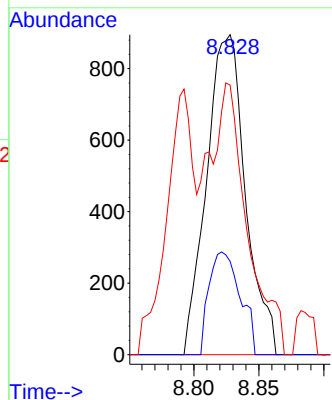
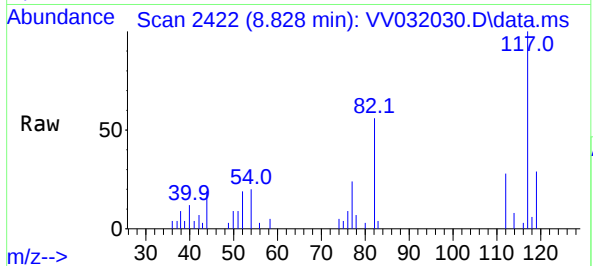




#51
Chlorobenzene
Concen: 0.099 ug/L
RT: 8.828 min Scan# 2419
Delta R.T. 0.010 min
Lab File: VV032030.D
Acq: 11 Sep 2023 16:45

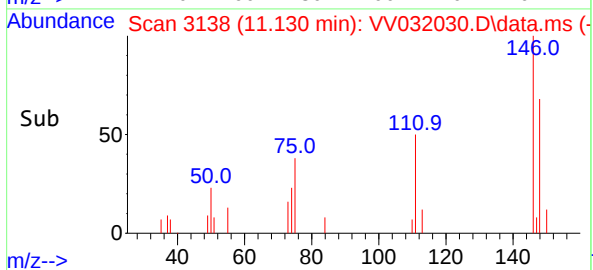
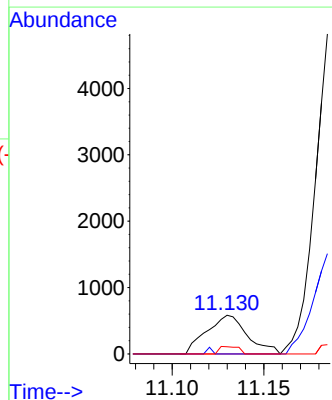
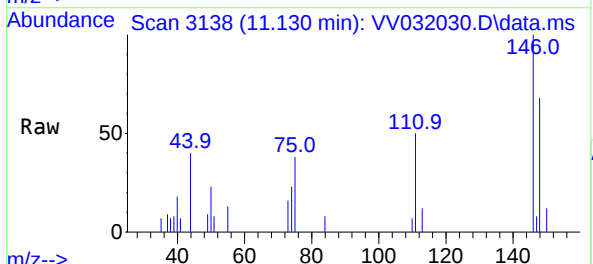
Instrument :
MSVOA_V
ClientSampleId :

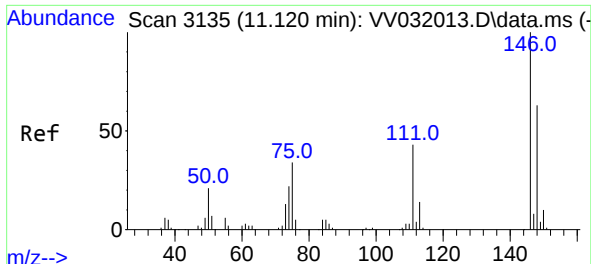
Tgt Ion:112 Resp: 1864
Ion Ratio Lower Upper
112 100
114 29.2 22.3 41.3
77 84.2 50.6 75.8#



#61
1,2,3-Trichloropropane
Concen: 0.197 ug/L
RT: 11.130 min Scan# 3138
Delta R.T. 0.916 min
Lab File: VV032030.D
Acq: 11 Sep 2023 16:45

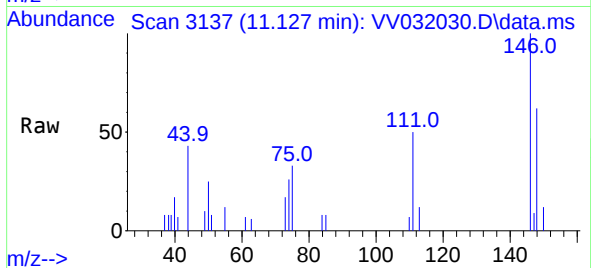
Tgt Ion: 75 Resp: 899
Ion Ratio Lower Upper
75 100
77 0.0 28.8 43.2#
110 9.1 30.2 45.2#



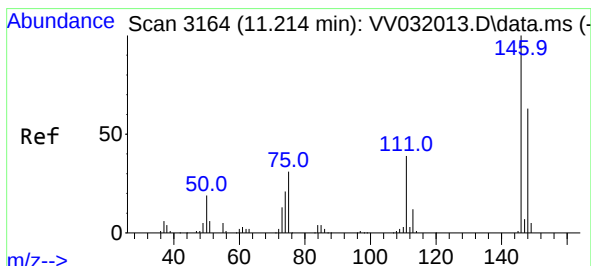
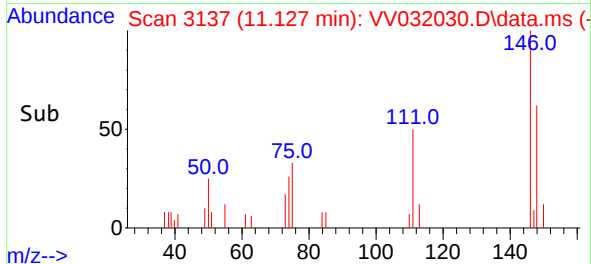
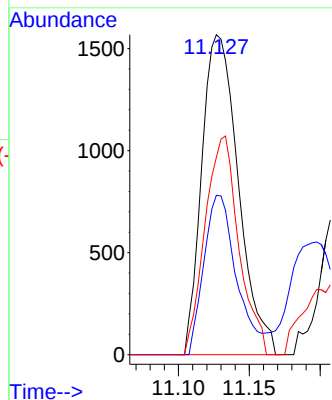


#64
1,3-Dichlorobenzene
Concen: 0.185 ug/L
RT: 11.127 min Scan# 3137
Delta R.T. 0.007 min
Lab File: VV032030.D
Acq: 11 Sep 2023 16:45

Instrument :
MSVOA_V
ClientSampleId :

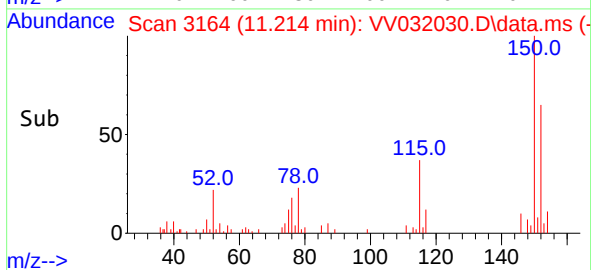
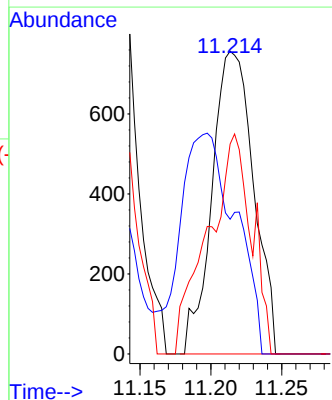
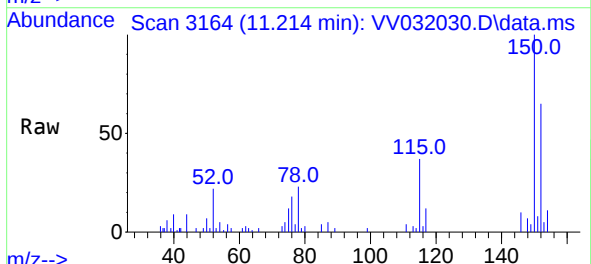


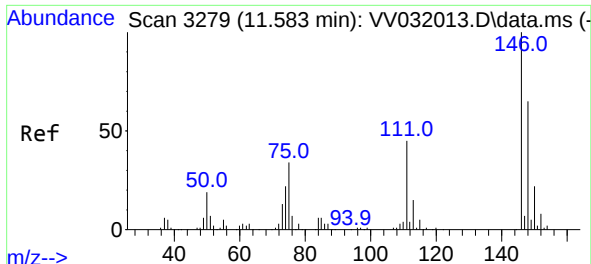
Tgt Ion:146 Resp: 2816
Ion Ratio Lower Upper
146 100
111 49.8 29.5 54.7
148 61.7 43.9 81.5



#65
1,4-Dichlorobenzene
Concen: 0.099 ug/L
RT: 11.214 min Scan# 3164
Delta R.T. 0.000 min
Lab File: VV032030.D
Acq: 11 Sep 2023 16:45

Tgt Ion:146 Resp: 1547
Ion Ratio Lower Upper
146 100
111 44.5 29.2 54.2
148 69.4 44.0 81.6





#67

1,2-Dichlorobenzene

Concen: 0.099 ug/L

RT: 11.587 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV032030.D

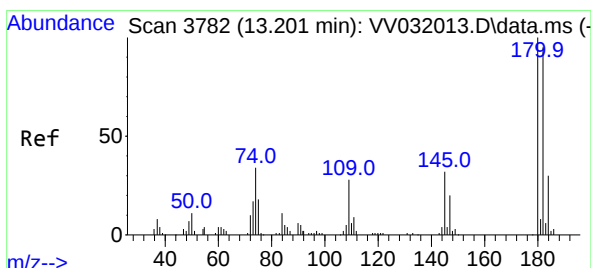
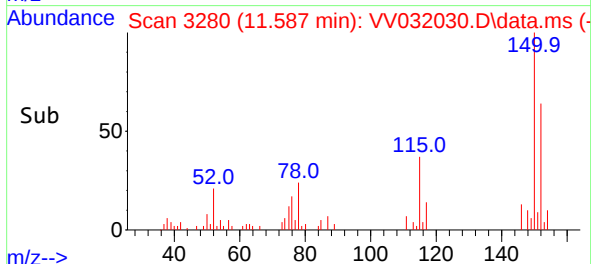
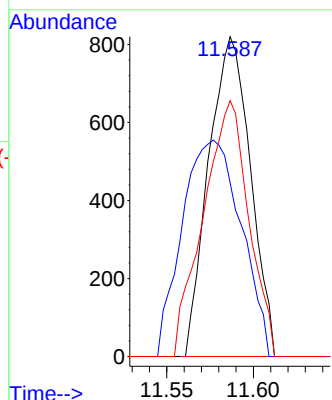
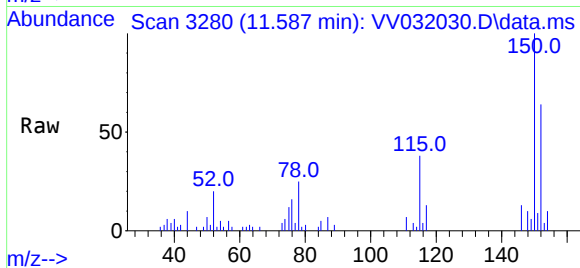
Acq: 11 Sep 2023 16:45

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion:146	Resp:	1378
Ion Ratio	Lower	Upper
146	100	
111	54.4	34.8 52.2#
148	80.0	51.4 77.2#



#70

1,2,4-trichlorobenzene

Concen: 1.964 ug/L

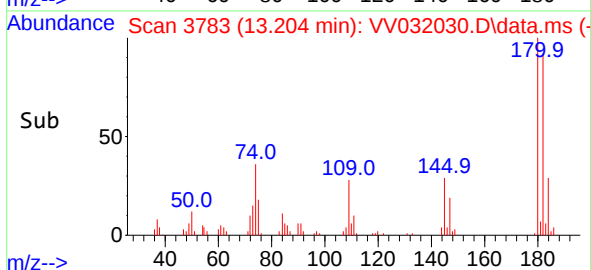
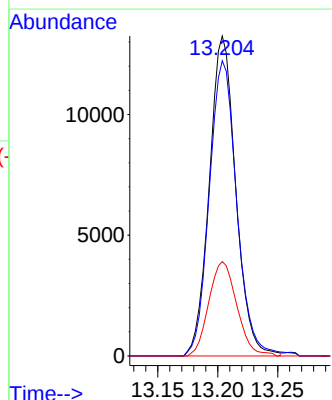
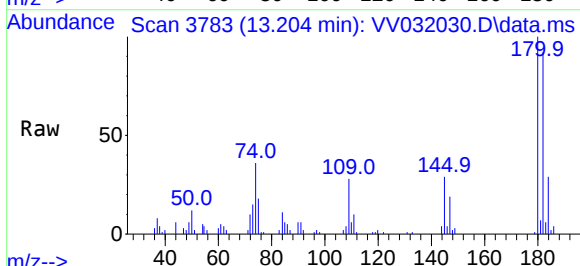
RT: 13.204 min Scan# 3783

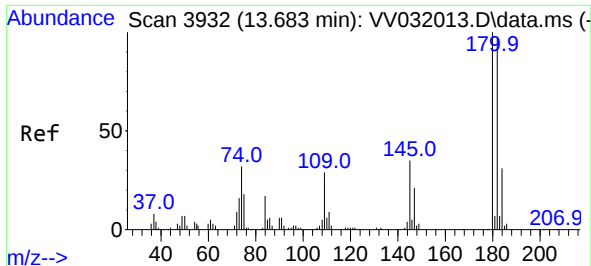
Delta R.T. 0.000 min

Lab File: VV032030.D

Acq: 11 Sep 2023 16:45

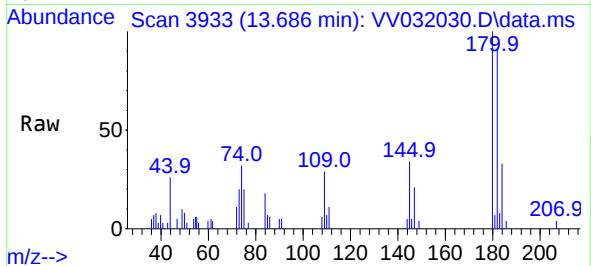
Tgt Ion:180	Resp:	20256
Ion Ratio	Lower	Upper
180	100	
182	96.0	76.9 115.3
145	31.3	26.6 39.8





#72
 1,2,3-Trichlorobenzene
 Concen: 0.648 ug/L
 RT: 13.686 min Scan# 3933
 Delta R.T. 0.003 min
 Lab File: VV032030.D
 Acq: 11 Sep 2023 16:45

Instrument :
 MSVOA_V
 ClientSampleId :



Tgt Ion:	180	Resp:	5631
Ion	Ratio	Lower	Upper
180	100		
182	91.4	75.9	113.9
145	33.7	27.3	40.9

