

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW021924\
 Data File : VW034239.D
 Acq On : 19 Feb 2024 13:27
 Operator : SY/MD
 Sample : P1503-01
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 DCNF4

Quant Time: Feb 20 03:28:01 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR012524WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Feb 20 01:47:35 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	76389	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	70719	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	35213	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	23072	3.900	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.000%
7) Chloroethane-d5	1.536	69	21068	4.066	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.400%
11) 1,1-Dichloroethene-d2	2.060	65	11757	4.121	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.400%
20) 2-Butanone-d5	3.812	46	37799	38.043	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	76.080%
24) Chloroform-d	4.252	84	43934	4.087	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.800%
26) 1,2-Dichloroethane-d4	4.944	65	22427	4.464	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.200%
32) Benzene-d6	4.960	84	84661	3.990	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.800%
36) 1,2-Dichloropropane-d6	5.989	67	23104	3.895	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	78.000%
41) Toluene-d8	7.243	98	79301	4.067	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.400%
43) trans-1,3-Dichloroprop...	7.558	79	8657	3.866	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.400%
46) 2-Hexanone-d5	8.030	63	28437	35.570	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	71.140%
56) 1,1,2,2-Tetrachloroeth...	10.153	84	13330	3.707	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	74.200%
66) 1,2-Dichlorobenzene-d4	11.561	152	27507	4.295	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.000%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.285	62	35304	4.839	ug/L	94
12) 1,1-Dichloroethene	2.069	96	101492	19.019	ug/L #	77
16) Methylene chloride	2.449	84	79854	15.595	ug/L	95
18) trans-1,2-Dichloroethene	2.696	96	16747	3.081	ug/L	97
22) cis-1,2-Dichloroethene	3.815	96	29282	4.748	ug/L	96
27) 1,2-Dichloroethane	5.040	62	81092	14.027	ug/L	99
29) 1,1,1-Trichloroethane	4.513	97	183709	19.349	ug/L	99
31) Carbon tetrachloride	4.735	117	63896	7.691	ug/L	99
33) Benzene	5.008	78	276347	13.029	ug/L	100
34) Trichloroethene	5.831	95	62842	10.237	ug/L	98
37) 1,2-Dichloropropane	6.092	63	54953	10.695	ug/L	98
42) Toluene	7.313	91	134922	5.952	ug/L	98
45) 1,1,2-Trichloroethane	7.767	97	47686	15.031	ug/L	98
47) Tetrachloroethene	7.902	164	79792	15.997	ug/L	96
51) Chlorobenzene	8.812	112	169289	11.811	ug/L	98
52) Ethylbenzene	8.947	91	107180	4.107	ug/L	97
53) m,p-Xylene	9.072	106	278616	28.255	ug/L	100
54) o-Xylene	9.477	106	120703	12.694	ug/L	98
55) Styrene	9.493	104	99072	6.507	ug/L	96

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Feb 20 01:47:35 2024
Response via : Initial Calibration

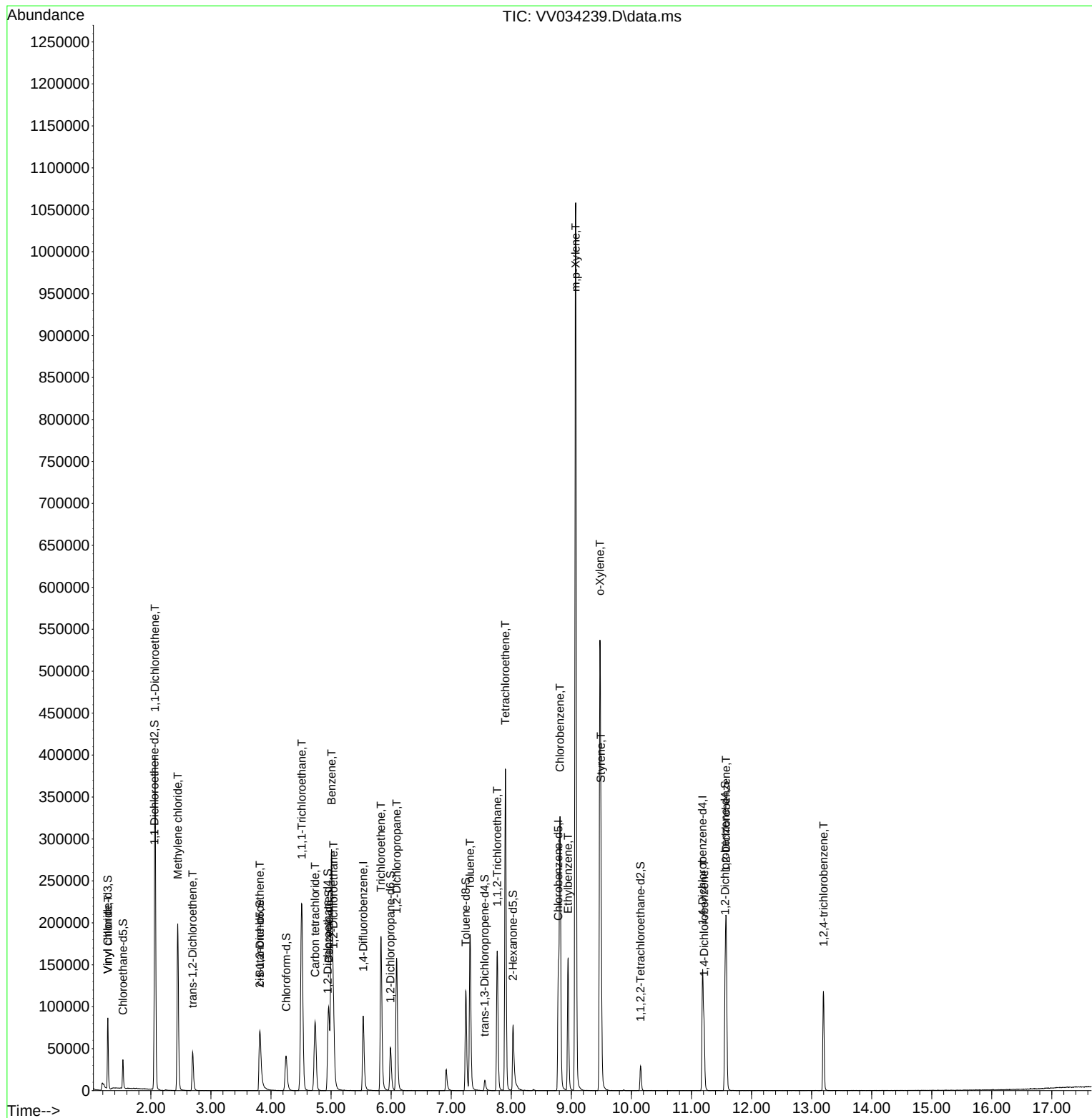
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 1,4-Dichlorobenzene	11.210	146	29275	2.602	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	69165	7.089	ug/L	98
70) 1,2,4-trichlorobenzene	13.197	180	34409	5.013	ug/L	98

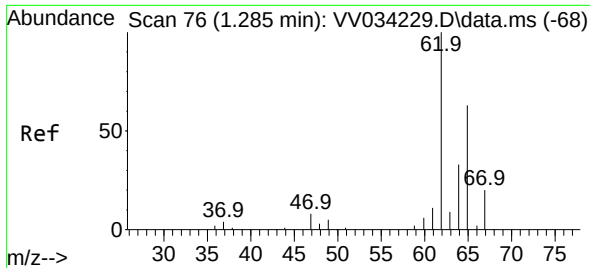
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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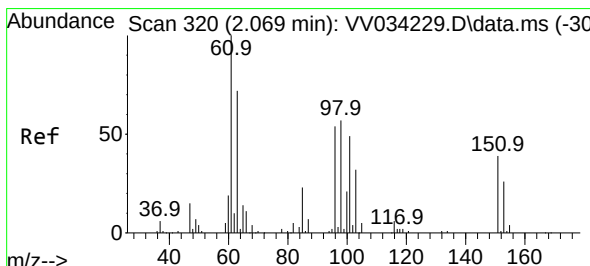
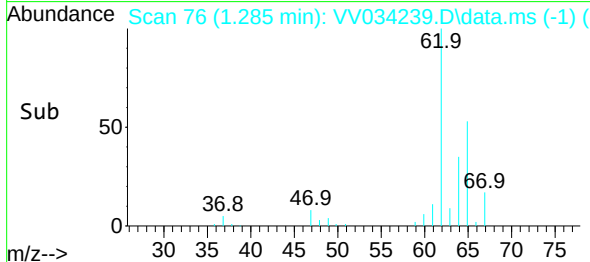
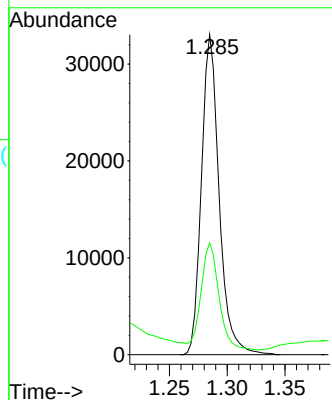
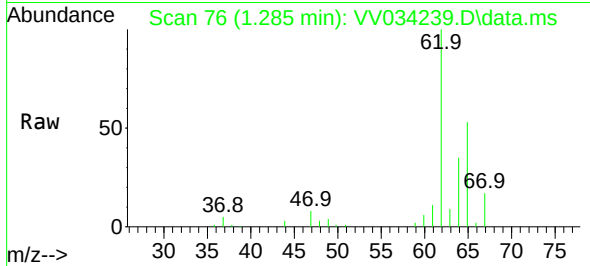




#5
 Vinyl chloride
 Concen: 4.839 ug/L
 RT: 1.285 min Scan# 76
 Delta R.T. -0.000 min
 Lab File: VV034239.D
 Acq: 19 Feb 2024 13:27

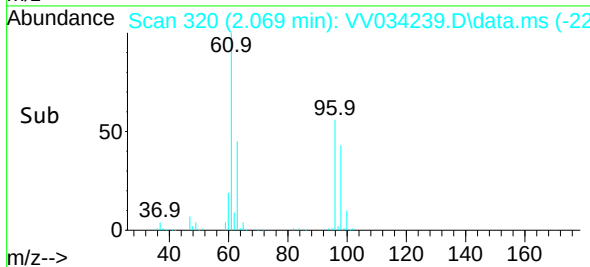
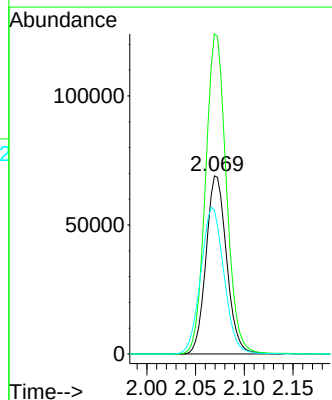
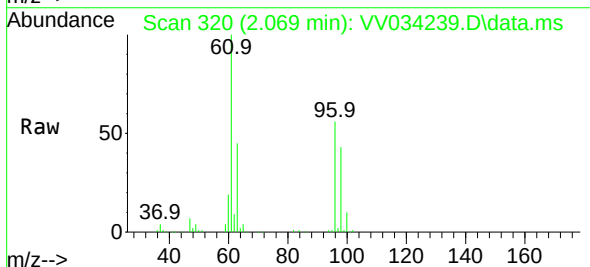
Instrument :
 MSVOA_V
 ClientSampleId :
 DCNF4

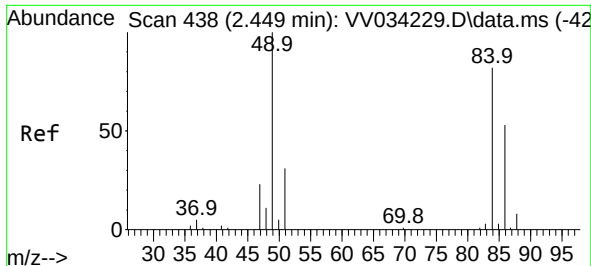
Tgt Ion: 62 Resp: 35304
 Ion Ratio Lower Upper
 62 100
 64 34.9 27.2 50.4



#12
 1,1-Dichloroethene
 Concen: 19.019 ug/L
 RT: 2.069 min Scan# 320
 Delta R.T. -0.000 min
 Lab File: VV034239.D
 Acq: 19 Feb 2024 13:27

Tgt Ion: 96 Resp: 101492
 Ion Ratio Lower Upper
 96 100
 61 179.7 128.8 239.2
 63 80.7 97.9 181.9#

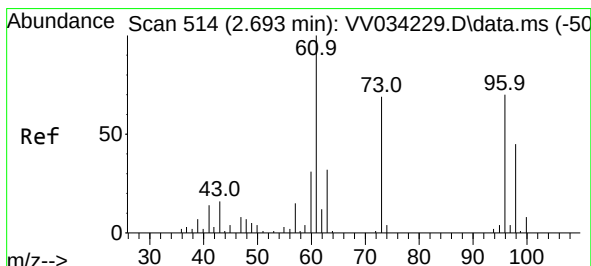
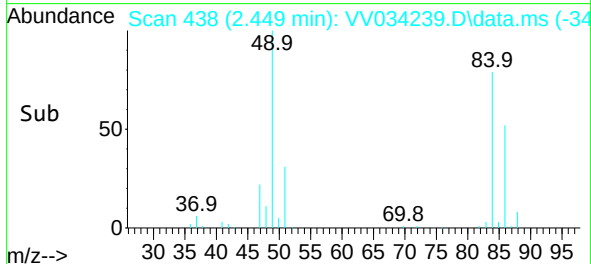
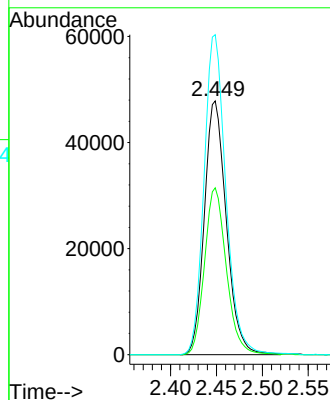
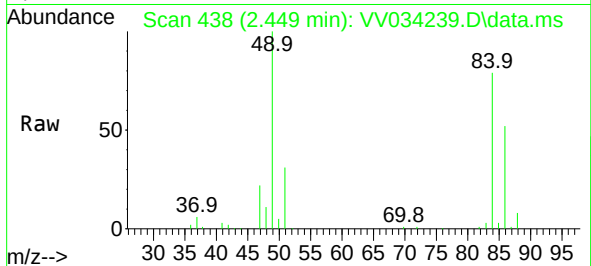




#16
Methylene chloride
Concen: 15.595 ug/L
RT: 2.449 min Scan# 41
Delta R.T. -0.000 min
Lab File: VV034239.D
Acq: 19 Feb 2024 13:27

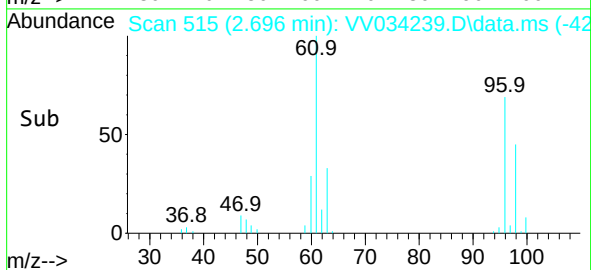
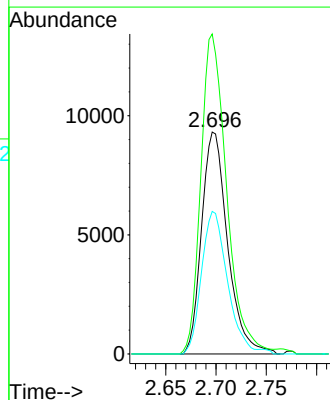
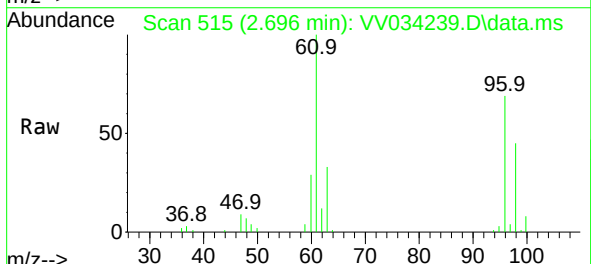
Instrument :
MSVOA_V
ClientSampleId :
DCNF4

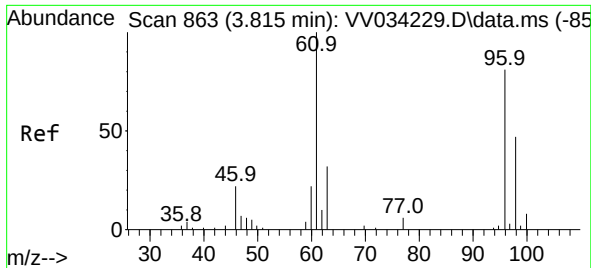
Tgt Ion: 84 Resp: 79854
Ion Ratio Lower Upper
84 100
86 65.7 44.7 83.1
49 126.1 93.7 173.9



#18
trans-1,2-Dichloroethene
Concen: 3.081 ug/L
RT: 2.696 min Scan# 515
Delta R.T. 0.003 min
Lab File: VV034239.D
Acq: 19 Feb 2024 13:27

Tgt Ion: 96 Resp: 16747
Ion Ratio Lower Upper
96 100
61 144.2 97.6 181.4
98 64.2 44.4 82.5

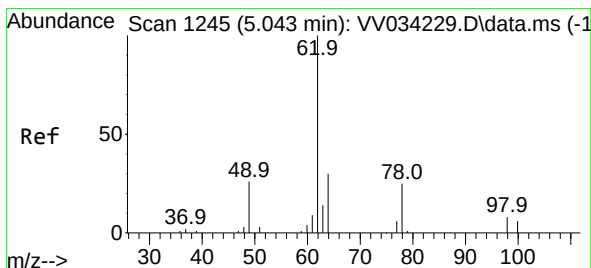
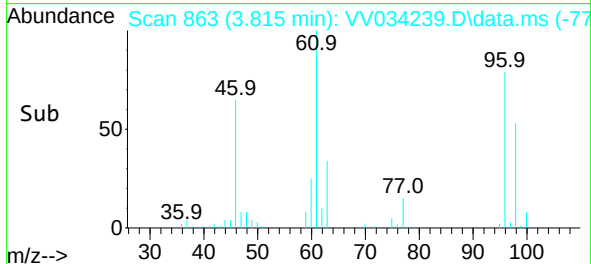
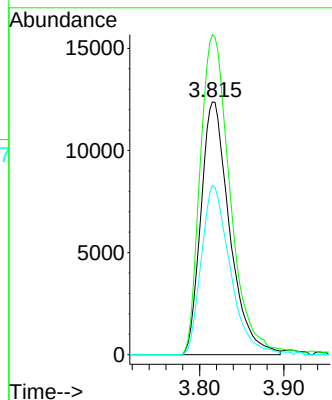
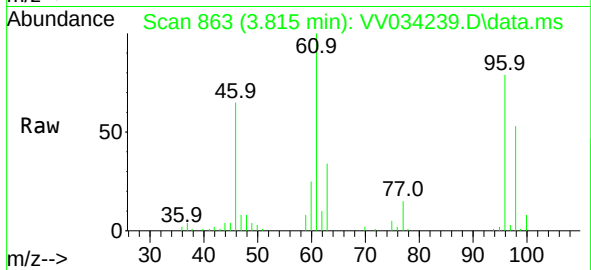




#22
 cis-1,2-Dichloroethene
 Concen: 4.748 ug/L
 RT: 3.815 min Scan# 863
 Delta R.T. -0.000 min
 Lab File: VV034239.D
 Acq: 19 Feb 2024 13:27

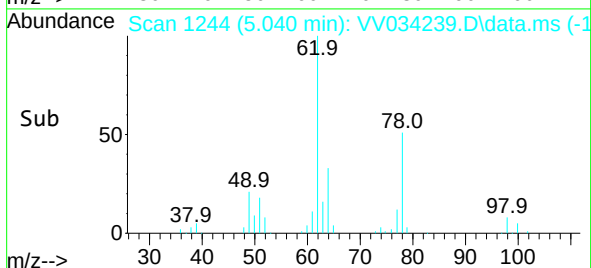
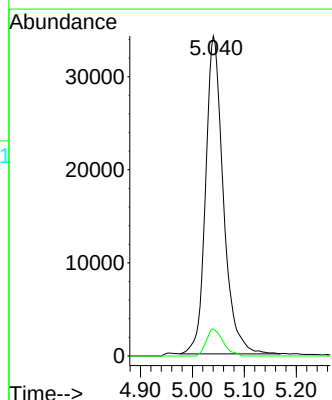
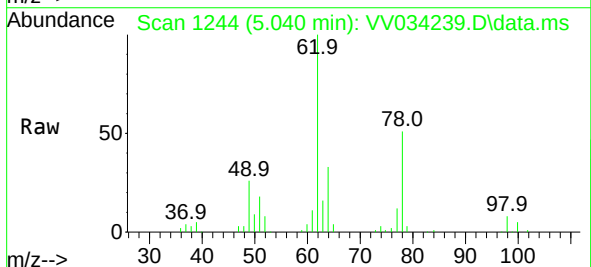
Instrument :
 MSVOA_V
 ClientSampleId :
 DCNF4

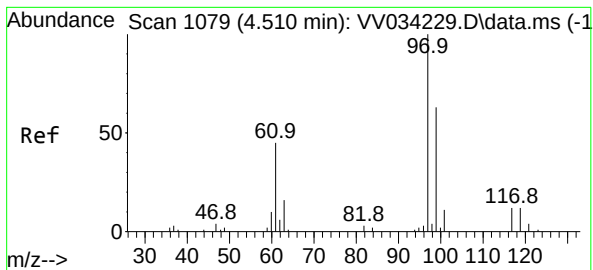
Tgt Ion: 96 Resp: 29282
 Ion Ratio Lower Upper
 96 100
 61 126.6 90.3 167.7
 98 66.9 43.2 80.2



#27
 1,2-Dichloroethane
 Concen: 14.027 ug/L
 RT: 5.040 min Scan# 1244
 Delta R.T. -0.003 min
 Lab File: VV034239.D
 Acq: 19 Feb 2024 13:27

Tgt Ion: 62 Resp: 81092
 Ion Ratio Lower Upper
 62 100
 98 8.4 6.9 10.3





#29

1,1,1-Trichloroethane

Concen: 19.349 ug/L

RT: 4.513 min Scan# 110

Delta R.T. 0.003 min

Lab File: VV034239.D

Acq: 19 Feb 2024 13:27

Instrument :

MSVOA_V

ClientSampleId :

DCNF4

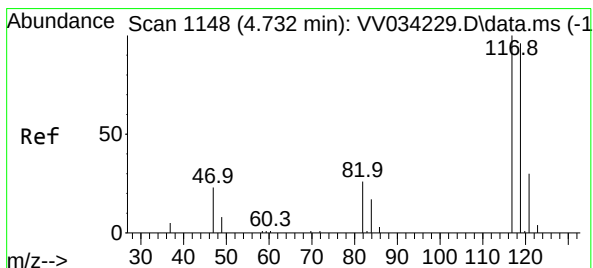
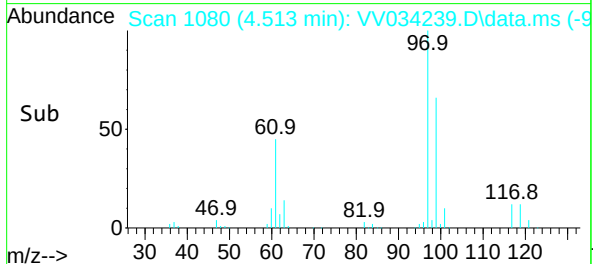
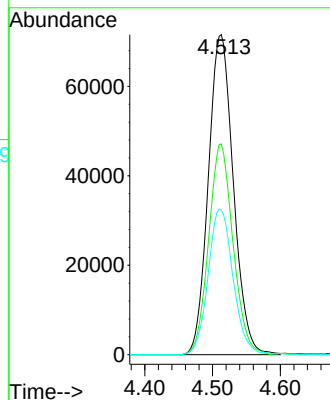
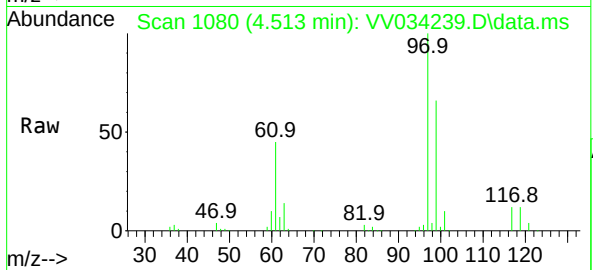
Tgt Ion: 97 Resp: 183709

Ion Ratio Lower Upper

97 100

99 64.2 50.6 75.8

61 45.4 36.8 55.2



#31

Carbon tetrachloride

Concen: 7.691 ug/L

RT: 4.735 min Scan# 1149

Delta R.T. 0.003 min

Lab File: VV034239.D

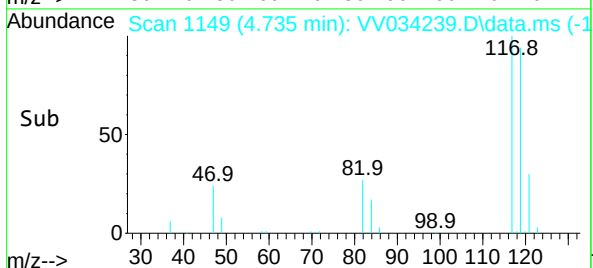
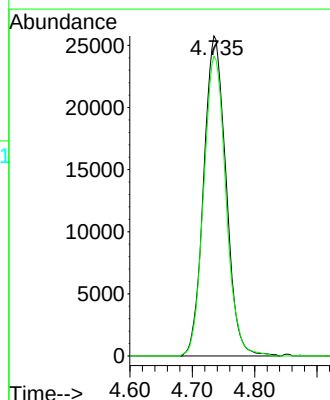
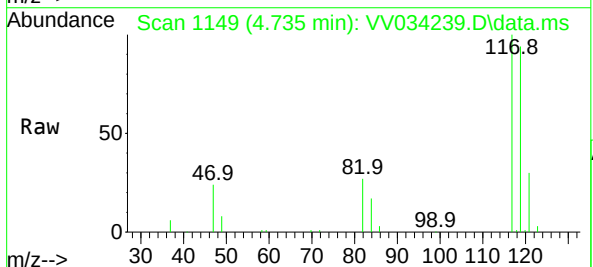
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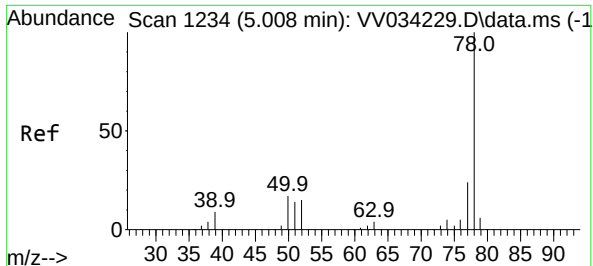
Tgt Ion: 117 Resp: 63896

Ion Ratio Lower Upper

117 100

119 94.0 76.1 114.1

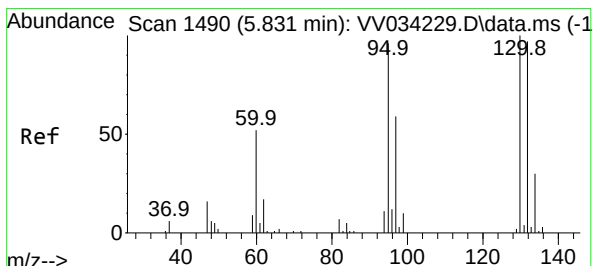
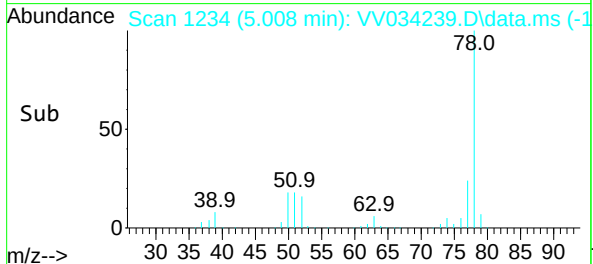
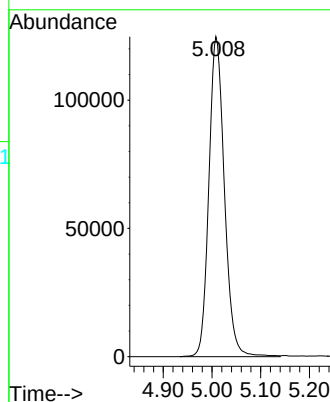
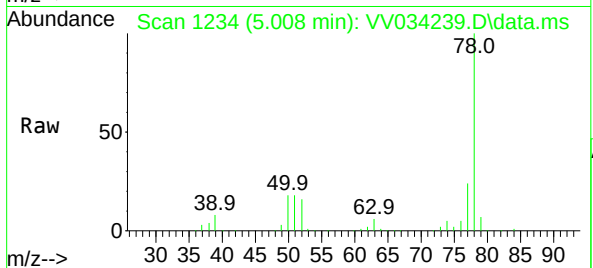




#33
Benzene
Concen: 13.029 ug/L
RT: 5.008 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV034239.D
Acq: 19 Feb 2024 13:27

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ClientSampleId :
DCNF4

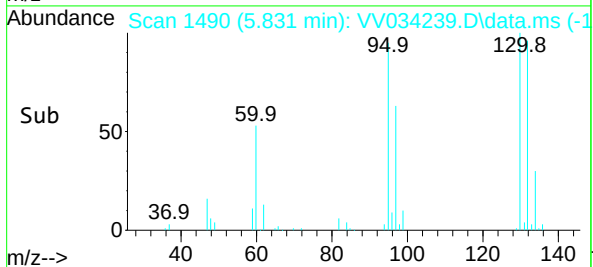
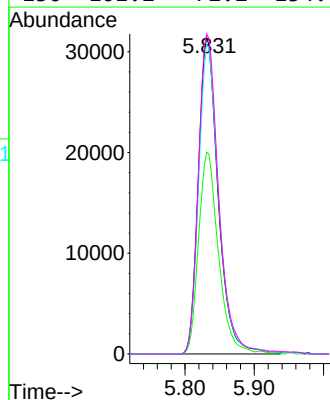
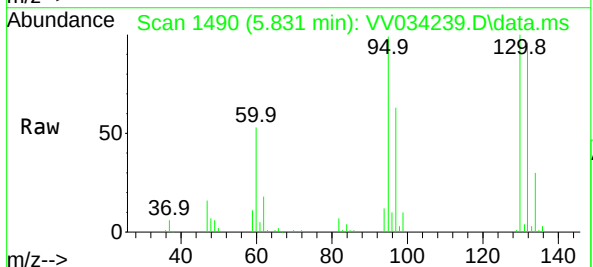
Tgt Ion: 78 Resp: 276347

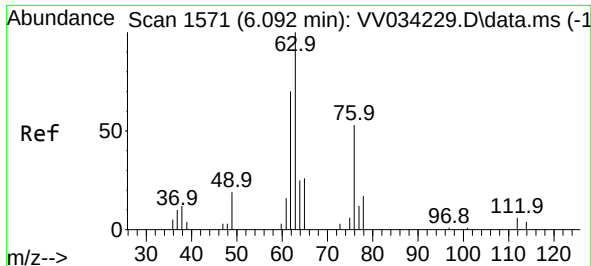


#34
Trichloroethene
Concen: 10.237 ug/L
RT: 5.831 min Scan# 1490
Delta R.T. -0.000 min
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Tgt Ion: 95 Resp: 62842

Ion	Ratio	Lower	Upper
95	100		
97	63.8	45.1	83.7
132	97.6	66.0	122.6
130	101.2	72.2	134.0





#37

1,2-Dichloropropane

Concen: 10.695 ug/L

RT: 6.092 min Scan# 11

Delta R.T. -0.000 min

Lab File: VV034239.D

Acq: 19 Feb 2024 13:27

Instrument :

MSVOA_V

ClientSampleId :

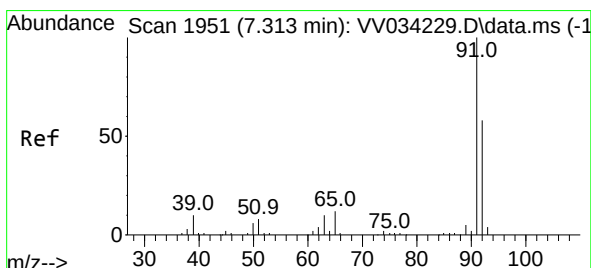
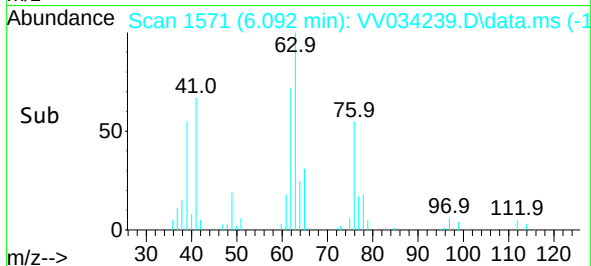
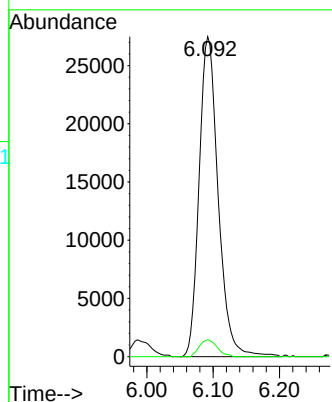
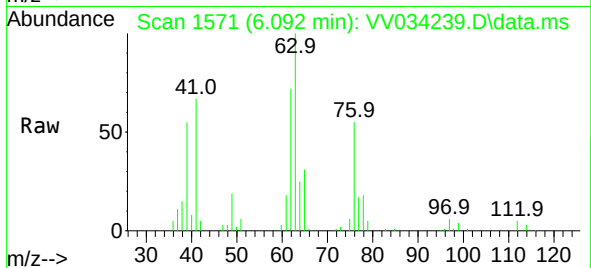
DCNF4

Tgt Ion: 63 Resp: 54953

Ion Ratio Lower Upper

63 100

112 5.0 3.4 5.0



#42

Toluene

Concen: 5.952 ug/L

RT: 7.313 min Scan# 1951

Delta R.T. -0.000 min

Lab File: VV034239.D

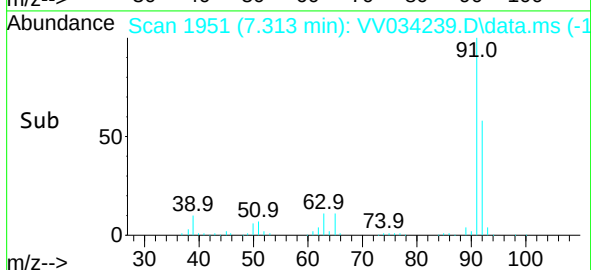
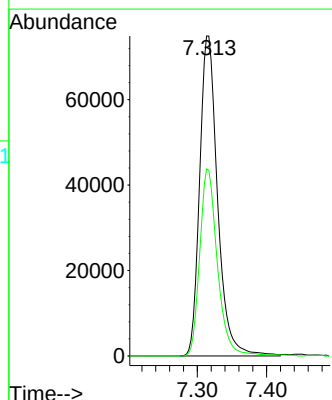
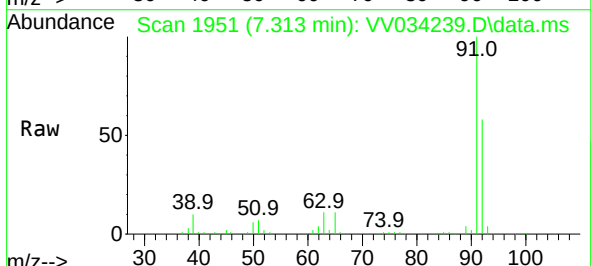
Acq: 19 Feb 2024 13:27

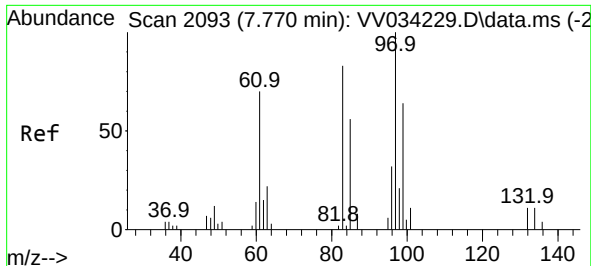
Tgt Ion: 91 Resp: 134922

Ion Ratio Lower Upper

91 100

92 58.5 42.1 78.3



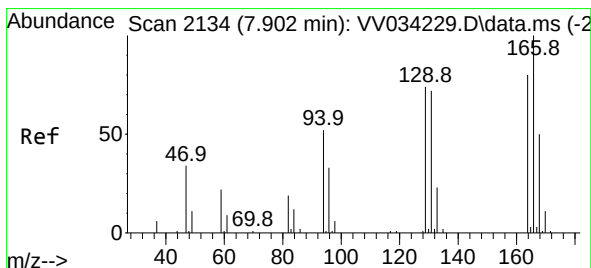
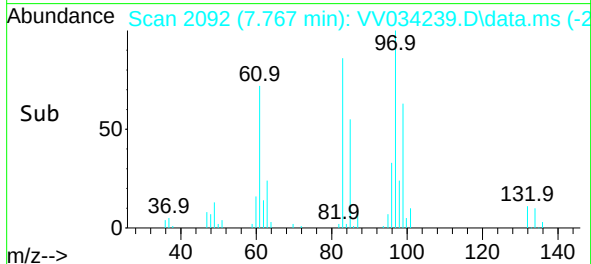
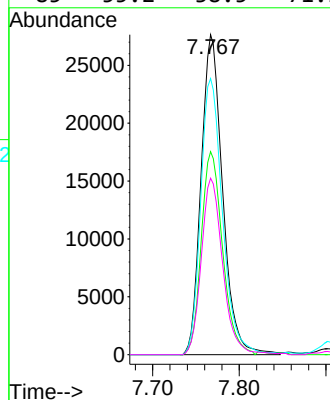
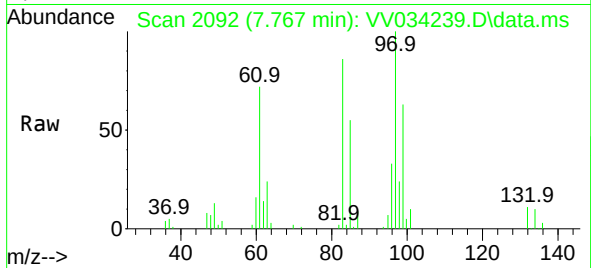


#45
1,1,2-Trichloroethane
Concen: 15.031 ug/L
RT: 7.767 min Scan# 2093
Delta R.T. -0.003 min
Lab File: VV034239.D
Acq: 19 Feb 2024 13:27

Instrument :
MSVOA_V
ClientSampleId :
DCNF4

Tgt Ion: 97 Resp: 47686

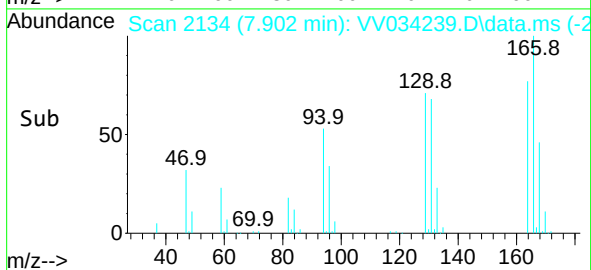
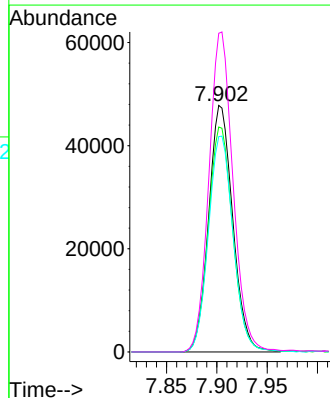
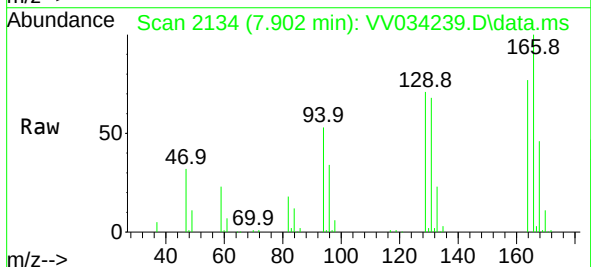
Ion	Ratio	Lower	Upper
97	100		
99	63.5	45.6	84.6
83	86.3	62.3	115.7
85	55.2	38.5	71.5

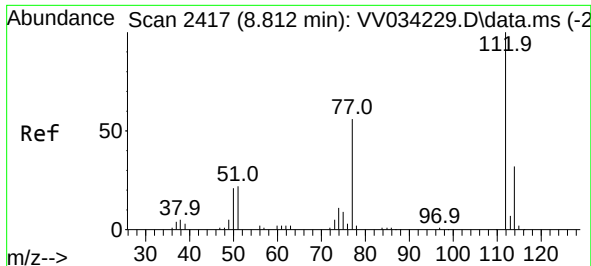


#47
Tetrachloroethene
Concen: 15.997 ug/L
RT: 7.902 min Scan# 2134
Delta R.T. -0.000 min
Lab File: VV034239.D
Acq: 19 Feb 2024 13:27

Tgt Ion: 164 Resp: 79792

Ion	Ratio	Lower	Upper
164	100		
129	91.2	67.8	125.8
131	87.3	63.0	117.0
166	129.3	92.6	172.0

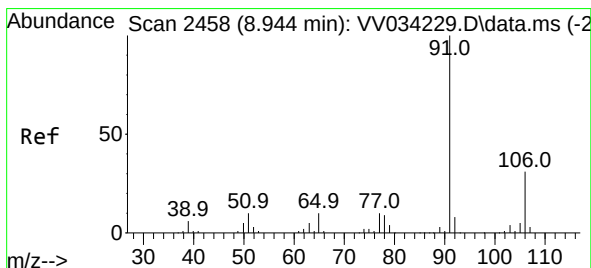
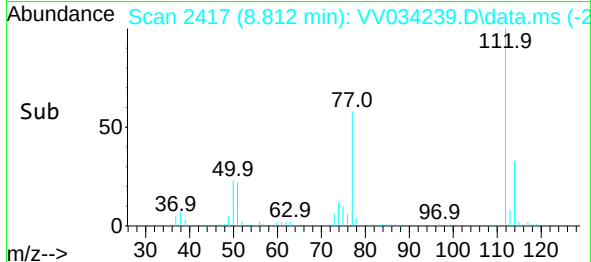
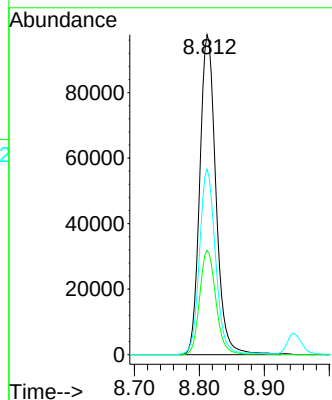
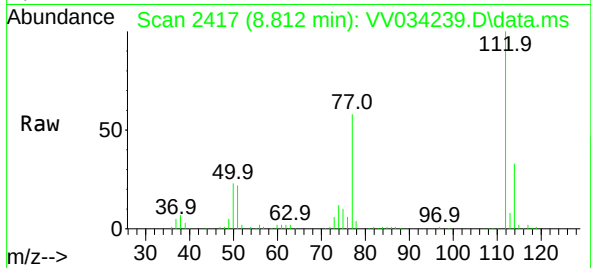




#51
Chlorobenzene
Concen: 11.811 ug/L
RT: 8.812 min Scan# 2417
Delta R.T. -0.000 min
Lab File: VV034239.D
Acq: 19 Feb 2024 13:27

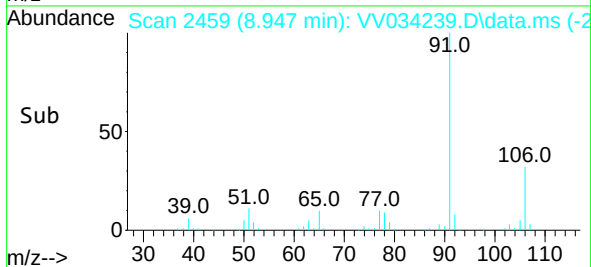
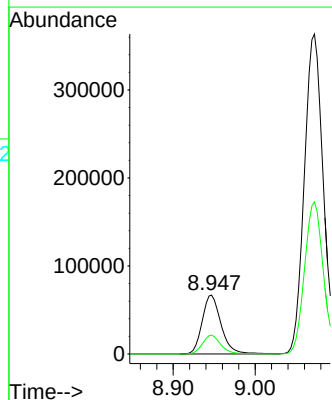
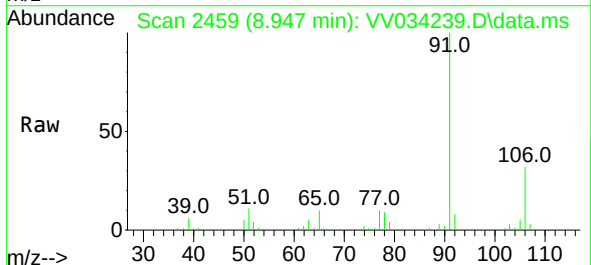
Instrument :
MSVOA_V
ClientSampleId :
DCNF4

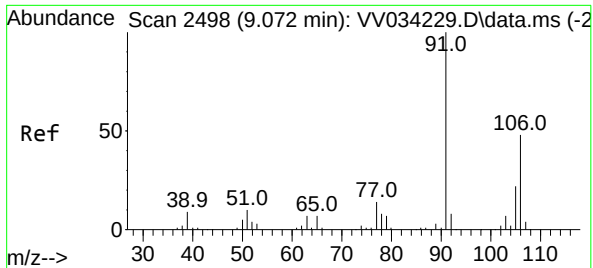
Tgt Ion:112 Resp: 169289
Ion Ratio Lower Upper
112 100
114 32.6 22.5 41.7
77 57.9 48.1 72.1



#52
Ethylbenzene
Concen: 4.107 ug/L
RT: 8.947 min Scan# 2459
Delta R.T. 0.003 min
Lab File: VV034239.D
Acq: 19 Feb 2024 13:27

Tgt Ion: 91 Resp: 107180
Ion Ratio Lower Upper
91 100
106 32.1 21.4 39.8

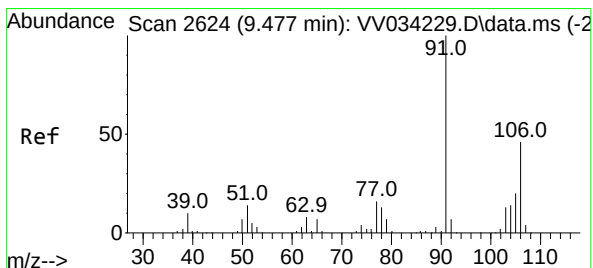
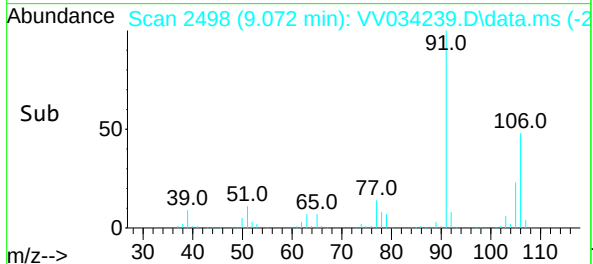
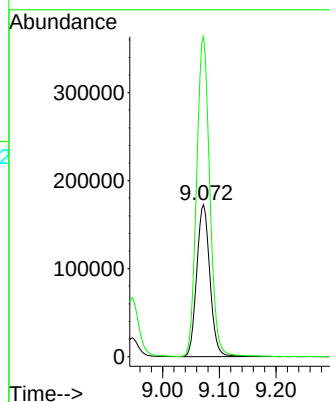
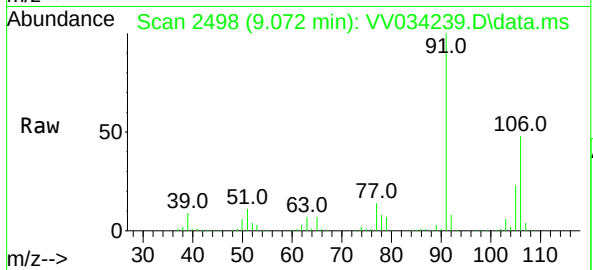




#53
m,p-Xylene
Concen: 28.255 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. -0.000 min
Lab File: VV034239.D
Acq: 19 Feb 2024 13:27

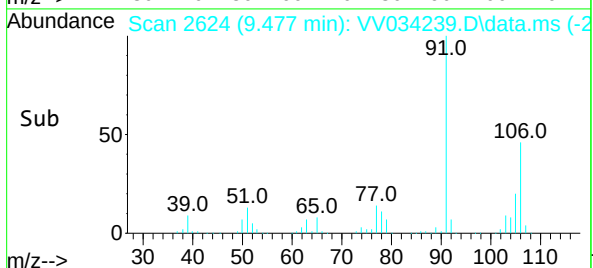
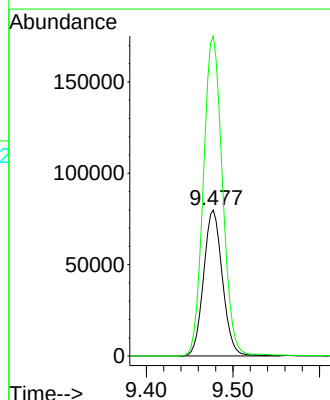
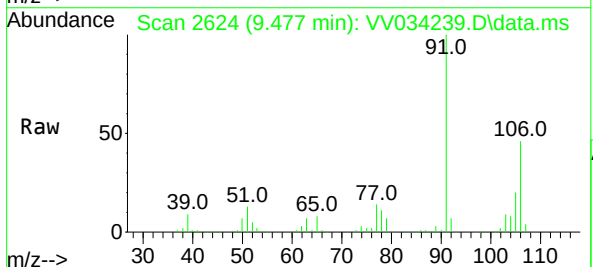
Instrument :
MSVOA_V
ClientSampleId :
DCNF4

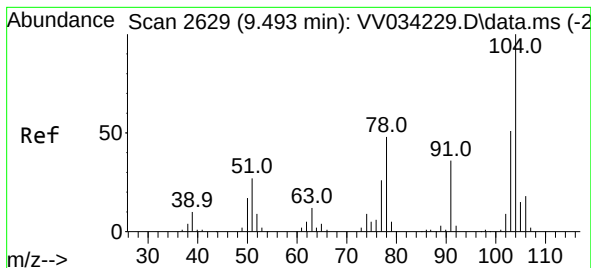
Tgt Ion:106 Resp: 278616
Ion Ratio Lower Upper
106 100
91 210.3 147.5 273.9



#54
o-Xylene
Concen: 12.694 ug/L
RT: 9.477 min Scan# 2624
Delta R.T. -0.000 min
Lab File: VV034239.D
Acq: 19 Feb 2024 13:27

Tgt Ion:106 Resp: 120703
Ion Ratio Lower Upper
106 100
91 219.4 156.2 290.0





#55

Styrene

Concen: 6.507 ug/L

RT: 9.493 min Scan# 2

Delta R.T. -0.000 min

Lab File: VV034239.D

Acq: 19 Feb 2024 13:27

Instrument :

MSVOA_V

ClientSampleId :

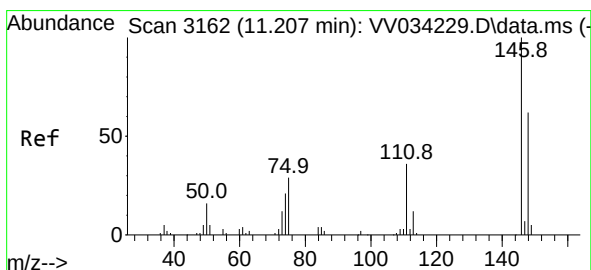
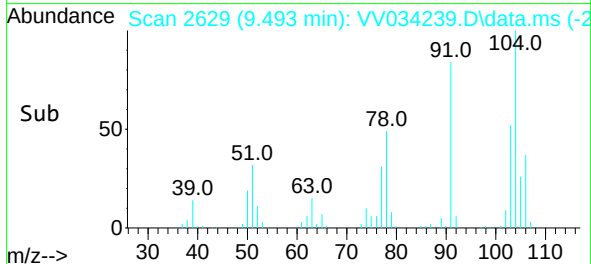
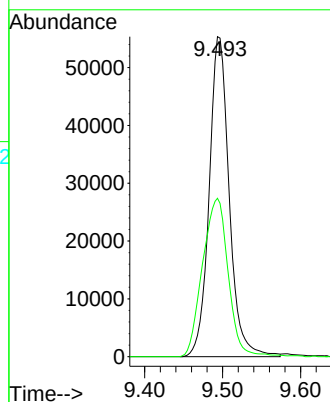
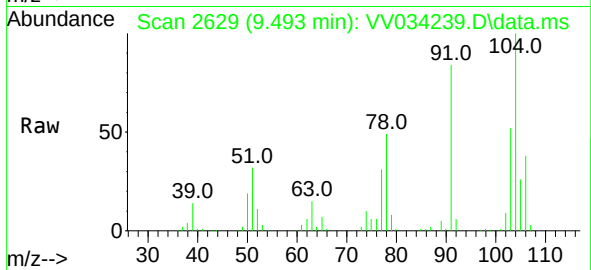
DCNF4

Tgt Ion:104 Resp: 99072

Ion Ratio Lower Upper

104 100

78 49.5 32.9 61.1



#65

1,4-Dichlorobenzene

Concen: 2.602 ug/L

RT: 11.210 min Scan# 3163

Delta R.T. 0.003 min

Lab File: VV034239.D

Acq: 19 Feb 2024 13:27

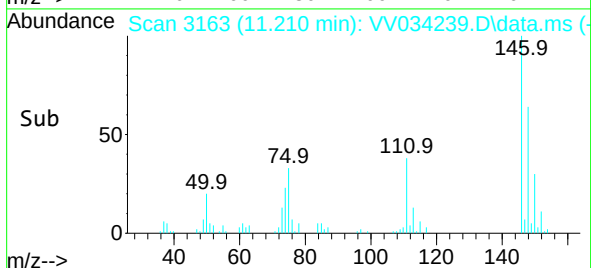
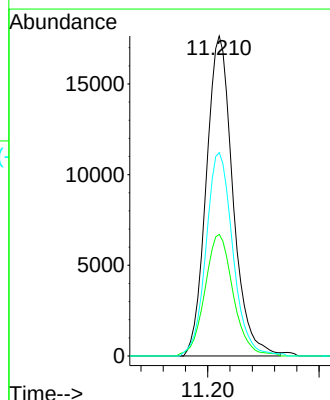
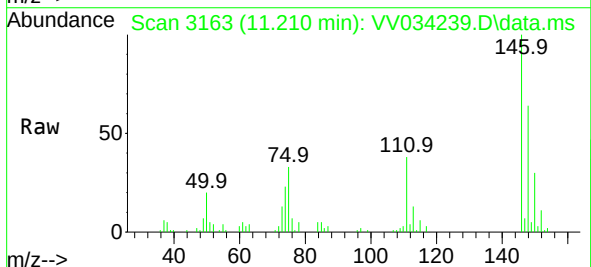
Tgt Ion:146 Resp: 29275

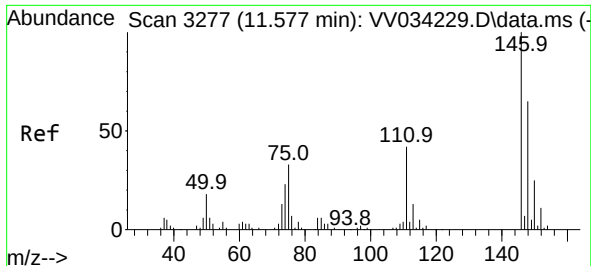
Ion Ratio Lower Upper

146 100

111 38.0 27.6 51.4

148 63.5 44.8 83.2

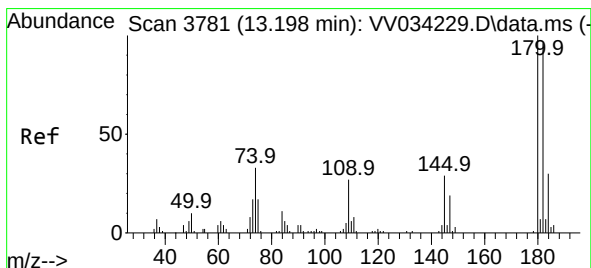
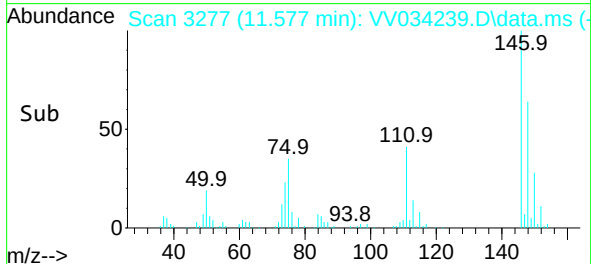
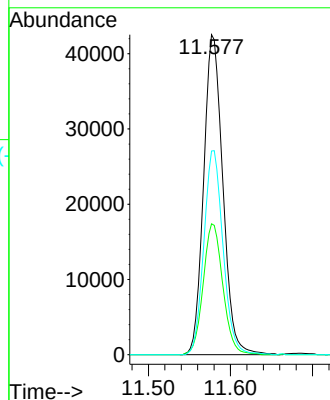
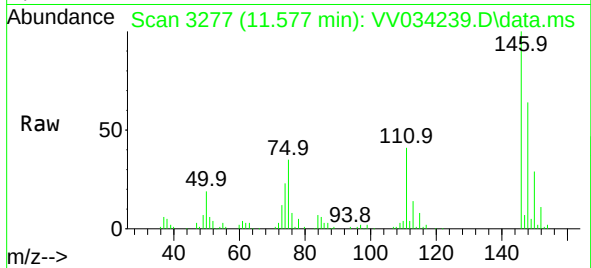




#67
1,2-Dichlorobenzene
Concen: 7.089 ug/L
RT: 11.577 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV034239.D
Acq: 19 Feb 2024 13:27

Instrument :
MSVOA_V
ClientSampleId :
DCNF4

Tgt Ion:146 Resp: 69165
Ion Ratio Lower Upper
146 100
111 40.9 31.2 46.8
148 63.7 49.8 74.8



#70
1,2,4-trichlorobenzene
Concen: 5.013 ug/L
RT: 13.197 min Scan# 3781
Delta R.T. -0.000 min
Lab File: VV034239.D
Acq: 19 Feb 2024 13:27

Tgt Ion:180 Resp: 34409
Ion Ratio Lower Upper
180 100
182 94.9 76.8 115.2
145 28.6 24.8 37.2

