

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW121423\
 Data File : VW033364.D
 Acq On : 15 Dec 2023 02:47
 Operator : SY/MD
 Sample : 05802-14
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F7B25

Quant Time: Dec 15 04:10:42 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)

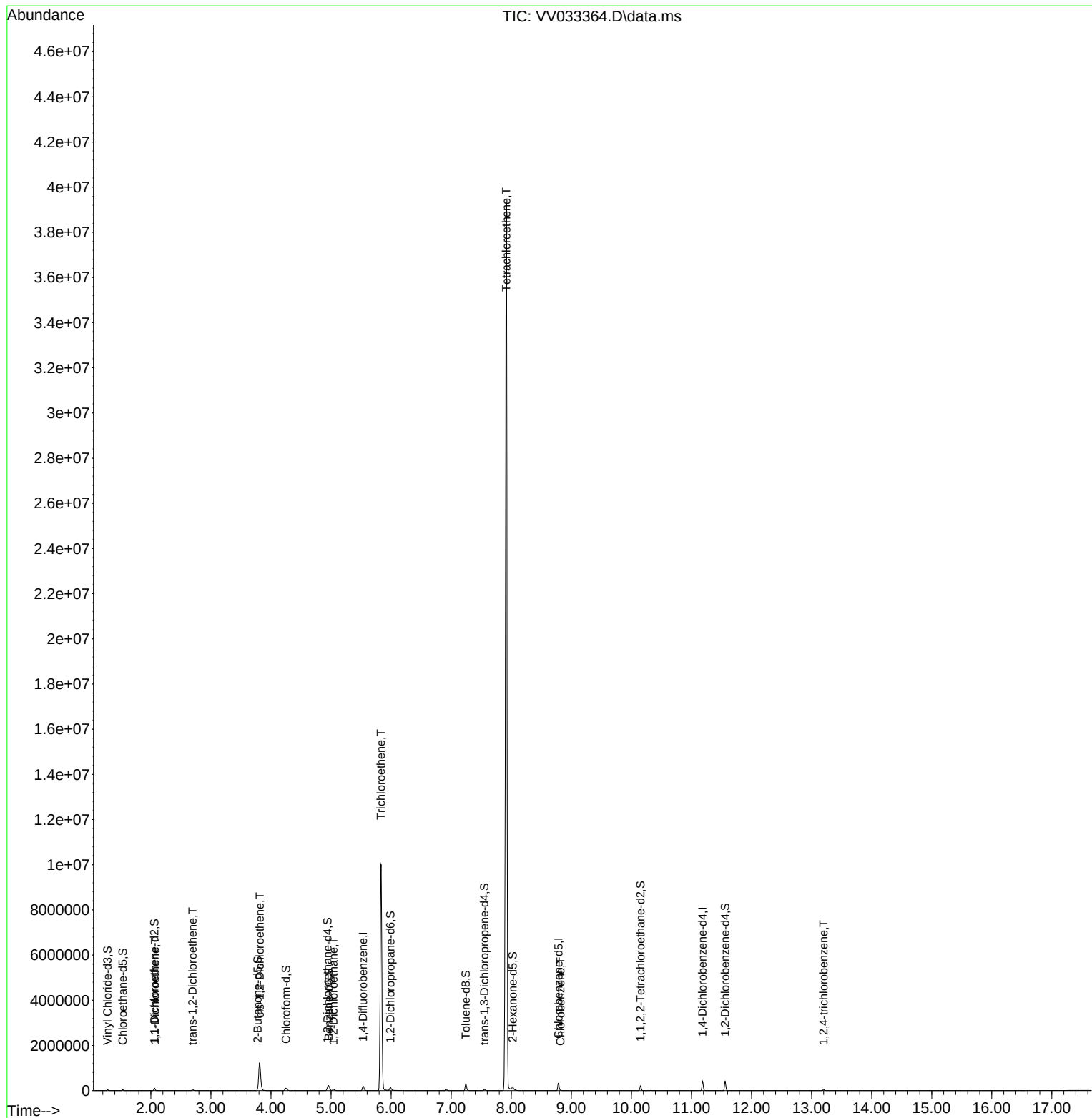
Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	195926	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.786	117	203337	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.185	152	124461	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	39382	33.624	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	67.240%		
7) Chloroethane-d5	1.532	69	29781	36.493	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	72.980%		
11) 1,1-Dichloroethene-d2	2.060	65	16108	36.151	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	72.300%		
21) 2-Butanone-d5	3.780	46	42943	73.819	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	73.820%		
24) Chloroform-d	4.249	84	114918	46.233	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.460%		
26) 1,2-Dichloroethane-d4	4.940	65	78615	50.871	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	101.740%		
32) Benzene-d6	4.960	84	214214	45.045	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.080%		
36) 1,2-Dichloropropane-d6	5.989	67	51830	40.534	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	81.060%		
41) Toluene-d8	7.243	98	217522	47.949	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	95.900%		
43) trans-1,3-Dichloroprop...	7.551	79	34738	42.963	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	85.920%		
47) 2-Hexanone-d5	8.024	63	44622	86.867	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	86.870%		
56) 1,1,2,2-Tetrachloroeth...	10.152	84	88115	48.477	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	96.960%		
66) 1,2-Dichlorobenzene-d4	11.561	152	119885	54.138	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	108.280%		
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.072	96	3499	3.562	ug/L	# 1
17) trans-1,2-Dichloroethene	2.696	96	25015	19.396	ug/L	87
20) cis-1,2-Dichloroethene	3.812	96	765884	559.672	ug/L	91
27) 1,2-Dichloroethane	5.040	62	64395	33.195	ug/L	99
34) Trichloroethene	5.831	95	3205729	2082.464	ug/L	96
46) Tetrachloroethene	7.918	164	9597788	7252.835	ug/L	96
51) Chlorobenzene	8.818	112	3933	0.963	ug/L	91
70) 1,2,4-trichlorobenzene	13.197	180	21214	7.477	ug/L	97

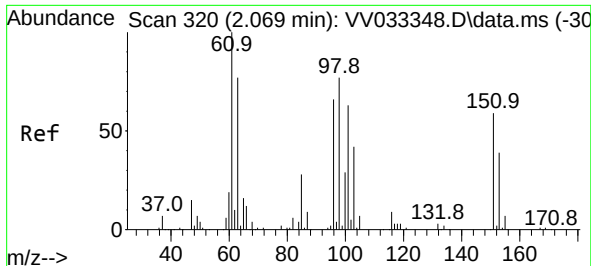
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 3.562 ug/L

RT: 2.072 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV033364.D

Acq: 15 Dec 2023 02:47

Instrument :

MSVOA_V

ClientSampleId :

F7B25

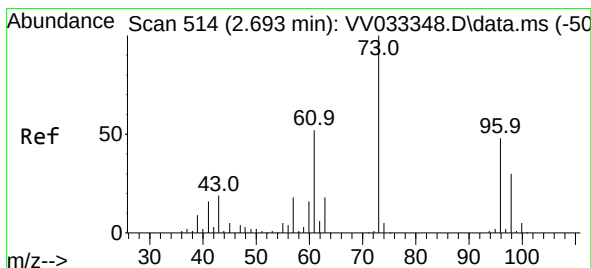
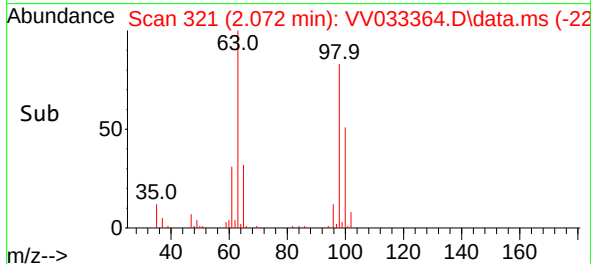
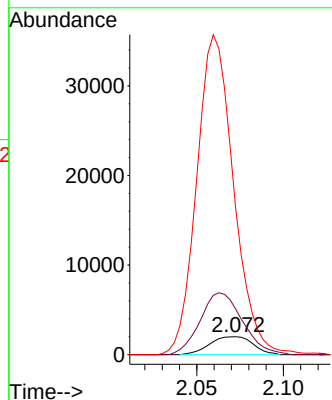
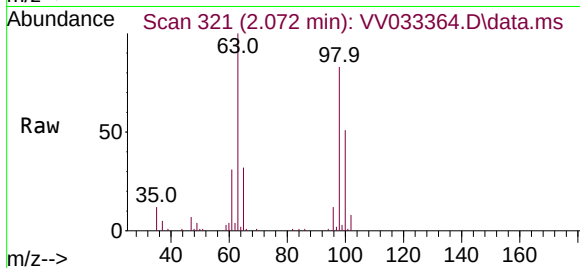
Tgt Ion: 96 Resp: 3499

Ion Ratio Lower Upper

96 100

61 256.0 109.1 202.7#

63 824.0 85.3 158.3#



#17

trans-1,2-Dichloroethene

Concen: 19.396 ug/L

RT: 2.696 min Scan# 515

Delta R.T. 0.003 min

Lab File: VV033364.D

Acq: 15 Dec 2023 02:47

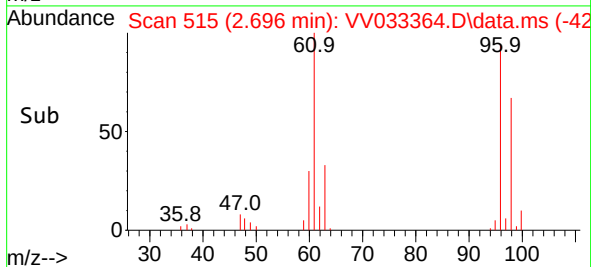
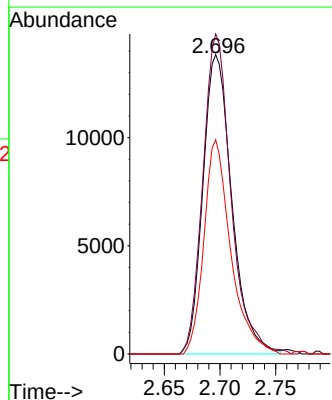
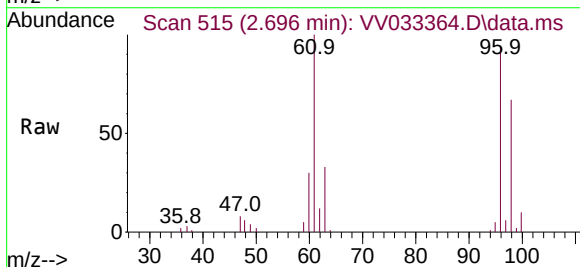
Tgt Ion: 96 Resp: 25015

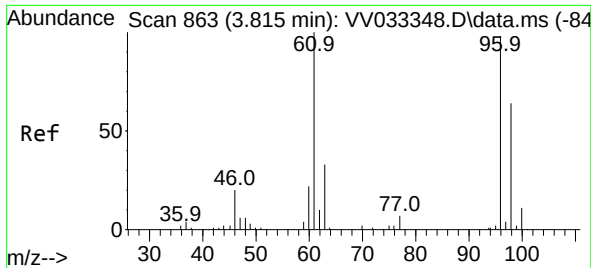
Ion Ratio Lower Upper

96 100

61 106.9 86.5 160.6

98 71.5 45.1 83.7

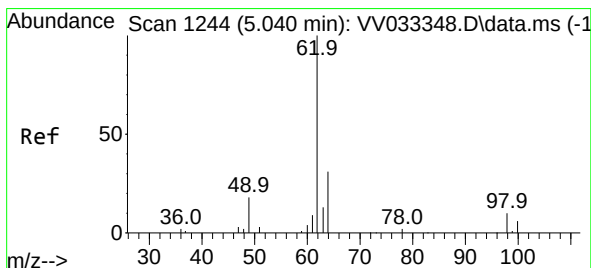
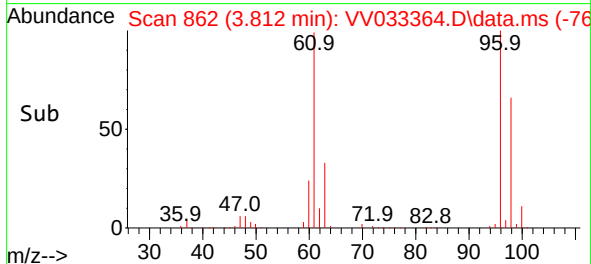
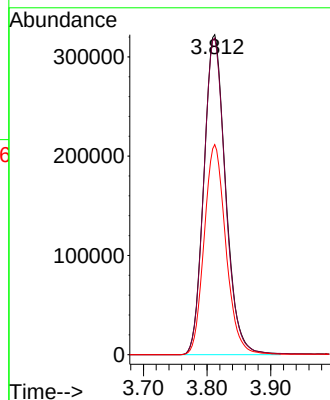
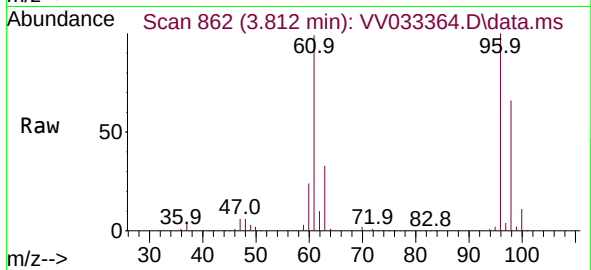




#20
 cis-1,2-Dichloroethene
 Concen: 559.672 ug/L
 RT: 3.812 min Scan# 862
 Delta R.T. -0.000 min
 Lab File: VV033364.D
 Acq: 15 Dec 2023 02:47

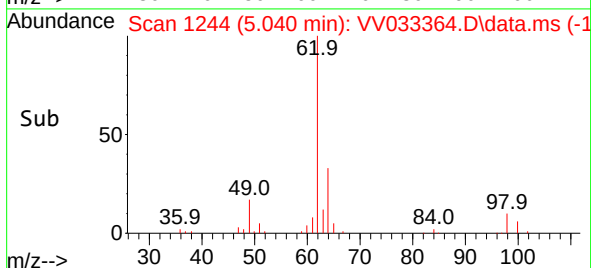
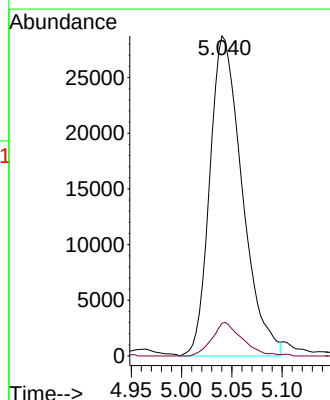
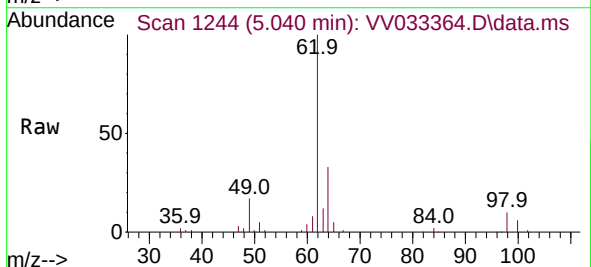
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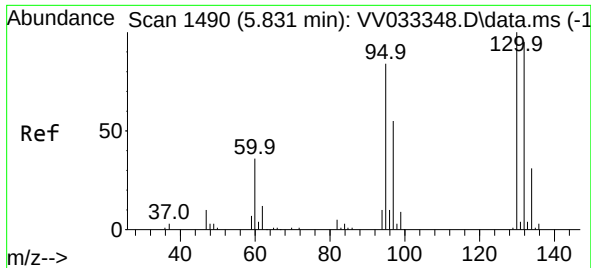
Tgt Ion: 96 Resp: 765884
 Ion Ratio Lower Upper
 96 100
 61 98.9 79.1 146.9
 98 65.7 45.1 83.7



#27
 1,2-Dichloroethane
 Concen: 33.195 ug/L
 RT: 5.040 min Scan# 1244
 Delta R.T. 0.003 min
 Lab File: VV033364.D
 Acq: 15 Dec 2023 02:47

Tgt Ion: 62 Resp: 64395
 Ion Ratio Lower Upper
 62 100
 98 10.2 7.8 11.8



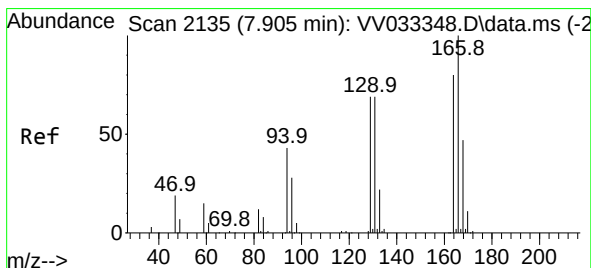
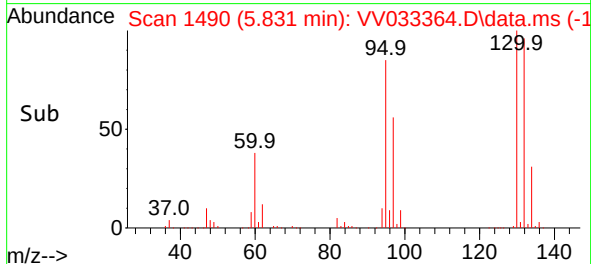
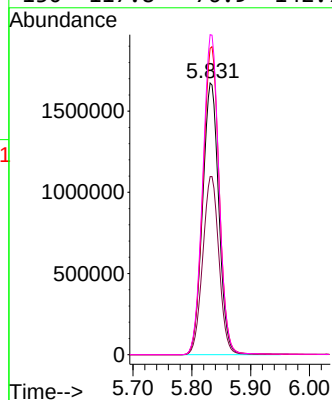
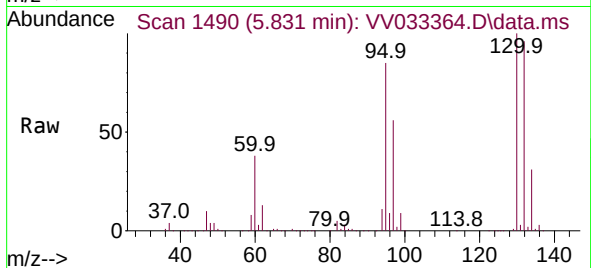


#34
Trichloroethene
Concen: 2082.464 ug/L
RT: 5.831 min Scan# 1490
Delta R.T. -0.000 min
Lab File: VV033364.D
Acq: 15 Dec 2023 02:47

Instrument :
MSVOA_V
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F7B25

Tgt Ion: 95 Resp: 3205729

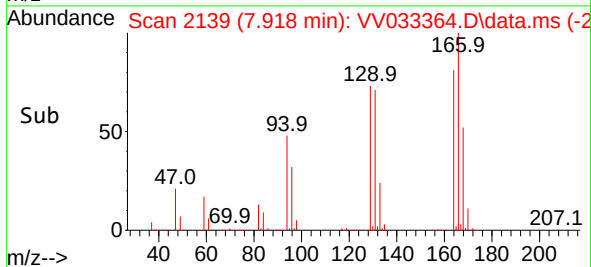
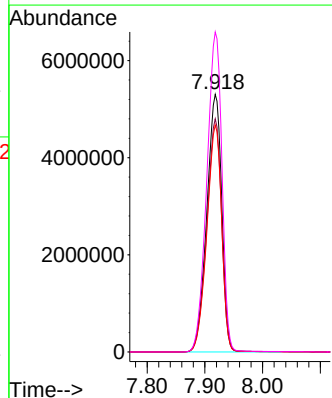
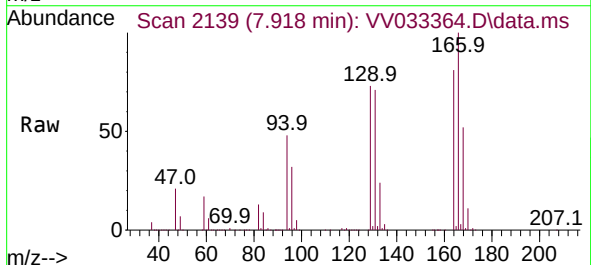
Ion	Ratio	Lower	Upper
95	100		
97	65.6	45.8	85.0
132	112.8	77.4	143.8
130	117.8	76.9	142.7

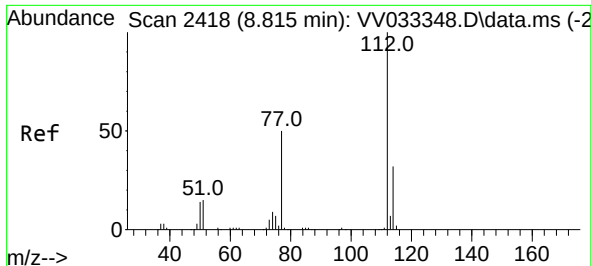


#46
Tetrachloroethene
Concen: 7252.835 ug/L
RT: 7.918 min Scan# 2139
Delta R.T. 0.013 min
Lab File: VV033364.D
Acq: 15 Dec 2023 02:47

Tgt Ion: 164 Resp: 9597788

Ion	Ratio	Lower	Upper
164	100		
129	90.5	65.6	121.8
131	88.1	64.7	120.1
166	124.2	89.4	166.0

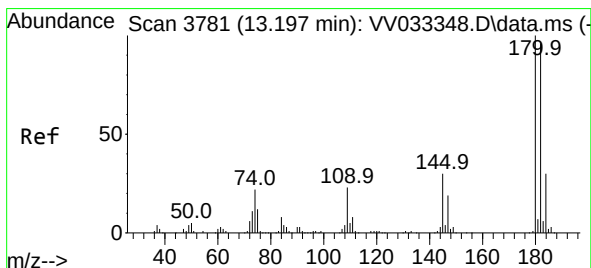
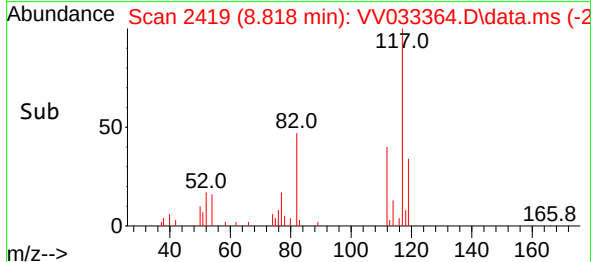
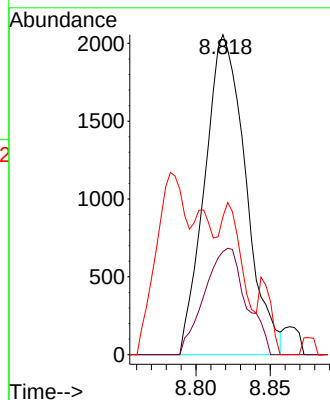
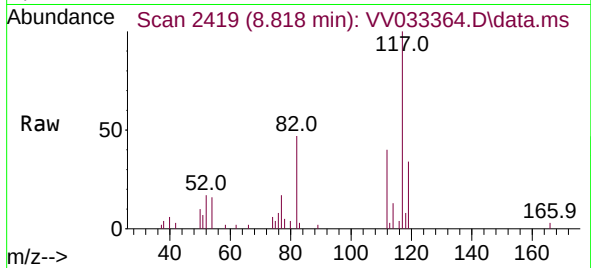




#51
Chlorobenzene
Concen: 0.963 ug/L
RT: 8.818 min Scan# 2418
Delta R.T. 0.006 min
Lab File: VV033364.D
Acq: 15 Dec 2023 02:47

Instrument :
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Tgt Ion:112	Resp:	3933
Ion Ratio	Lower	Upper
112	100	
114	32.2	22.9 42.5
77	43.1	42.6 64.0



#70
1,2,4-trichlorobenzene
Concen: 7.477 ug/L
RT: 13.197 min Scan# 3781
Delta R.T. -0.000 min
Lab File: VV033364.D
Acq: 15 Dec 2023 02:47

Tgt Ion:180	Resp:	21214
Ion Ratio	Lower	Upper
180	100	
182	92.8	76.3 114.5
145	27.2	23.4 35.0

