

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW101421\
 Data File : VW022815.D
 Acq On : 15 Oct 2021 00:40
 Operator : SY/MD
 Sample : M4223-03
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFG95

Quant Time: Oct 16 03:56:56 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR100721WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Oct 16 03:54:29 2021
 Response via : Initial Calibration

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

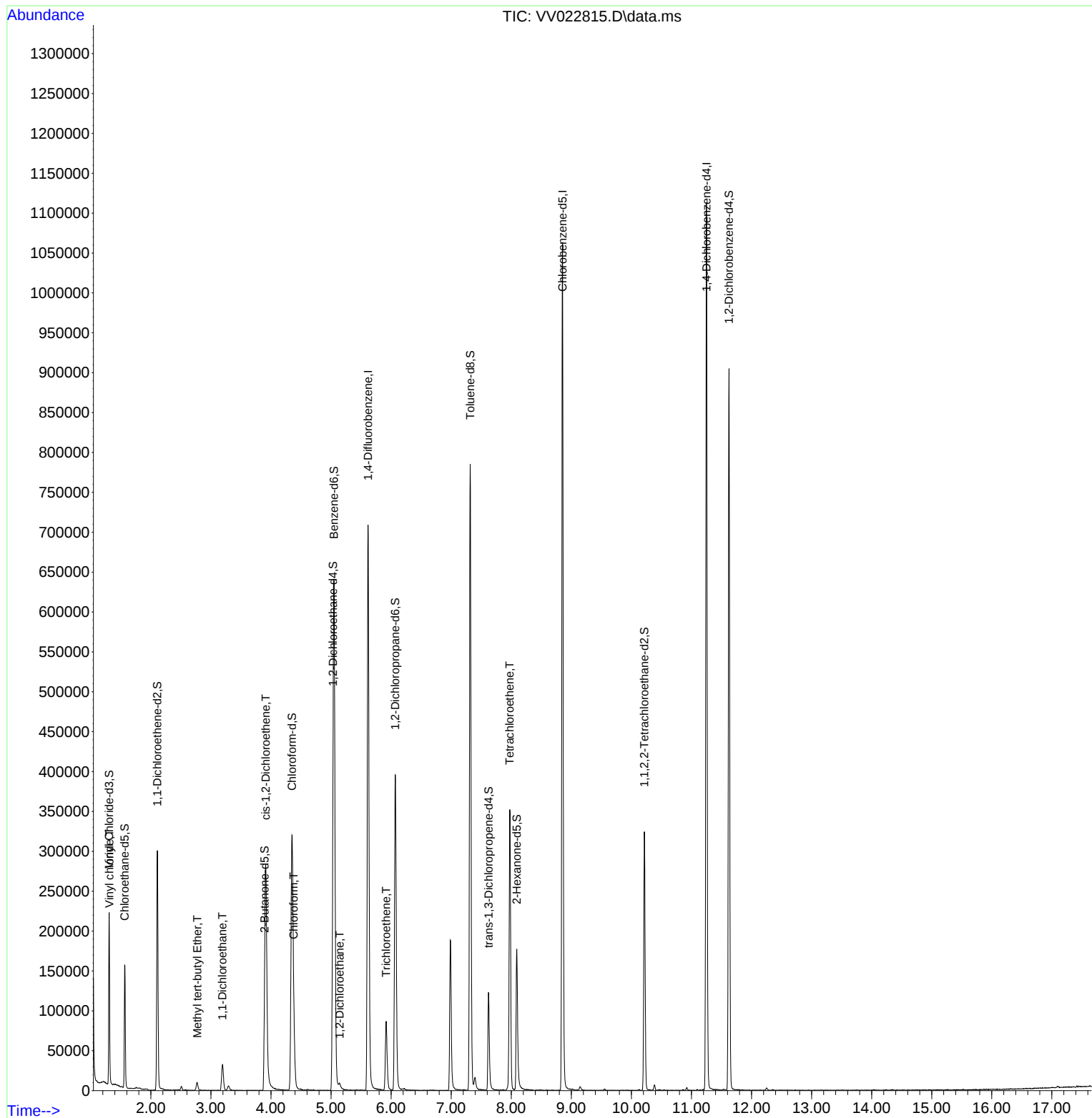
Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	617854	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	588332	5.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	294502	5.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	133300	3.14	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	62.80%
7) Chloroethane-d5	1.565	69	95788	2.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	50.20%#
11) 1,1-Dichloroethene-d2	2.108	63	153674	1.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	36.80%#
20) 2-Butanone-d5	3.892	46	76818	6.89	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	13.78%#
24) Chloroform-d	4.349	84	320740	3.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	73.20%
26) 1,2-Dichloroethane-d4	5.034	65	147987	3.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	69.60%#
32) Benzene-d6	5.050	84	586180	3.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	67.00%#
36) 1,2-Dichloropropane-d6	6.069	67	194273	3.75	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	75.00%
41) Toluene-d8	7.317	98	512859	3.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	67.80%#
43) trans-1,3-Dichloroprop...	7.622	79	69675	4.05	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.00%
46) 2-Hexanone-d5	8.092	63	61084	8.81	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	17.62%#
56) 1,1,2,2-Tetrachloroeth...	10.217	84	154594	4.40	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.00%
66) 1,2-Dichlorobenzene-d4	11.625	152	234483	4.29	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.80%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.311	62	5138	0.11	ug/L	# 59
17) Methyl tert-butyl Ether	2.773	73	7255	0.08	ug/L	94
19) 1,1-Dichloroethane	3.192	63	33620	0.46	ug/L	95
22) cis-1,2-Dichloroethene	3.912	96	151112	3.55	ug/L	98
25) Chloroform	4.378	83	69534	0.82	ug/L	97
27) 1,2-Dichloroethane	5.143	62	6336	0.15	ug/L	100
34) Trichloroethene	5.918	95	31055	0.72	ug/L	93
47) Tetrachloroethene	7.976	164	81187	2.33	ug/L	99

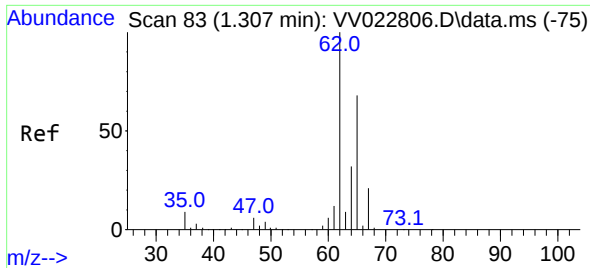
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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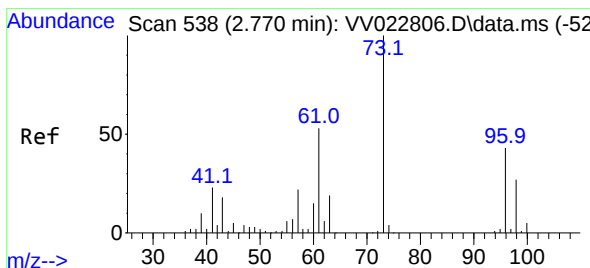
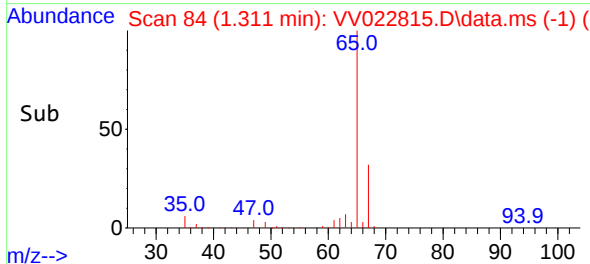
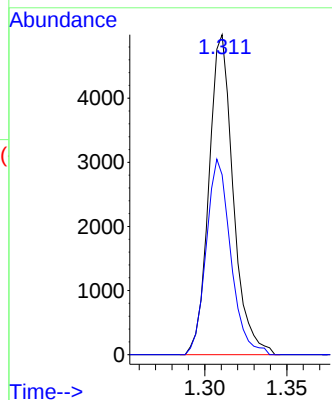
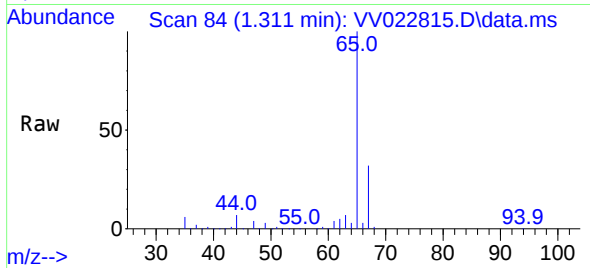




#5
 Vinyl chloride
 Concen: 0.11 ug/L
 RT: 1.311 min Scan# 84
 Delta R.T. 0.003 min
 Lab File: VV022815.D
 Acq: 15 Oct 2021 00:40

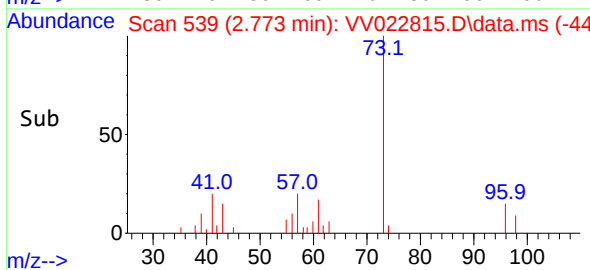
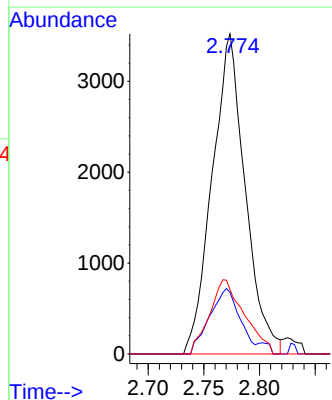
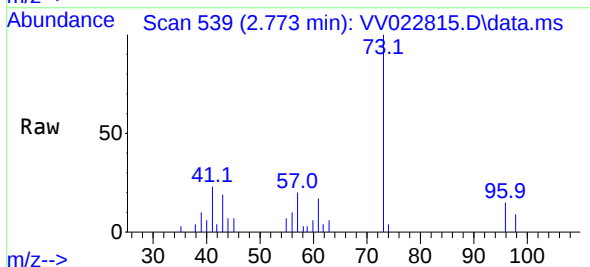
Instrument :
 MSVOA_V
 ClientSampled :
 BFG95

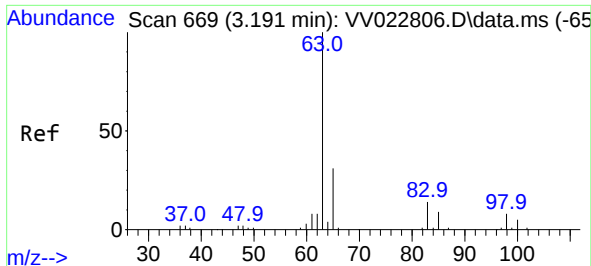
Tgt Ion: 62 Resp: 5138
 Ion Ratio Lower Upper
 62 100
 64 56.2 23.0 42.8#



#17
 Methyl tert-butyl Ether
 Concen: 0.08 ug/L
 RT: 2.773 min Scan# 539
 Delta R.T. 0.003 min
 Lab File: VV022815.D
 Acq: 15 Oct 2021 00:40

Tgt Ion: 73 Resp: 7255
 Ion Ratio Lower Upper
 73 100
 43 18.7 17.1 25.7
 57 24.4 17.2 25.8



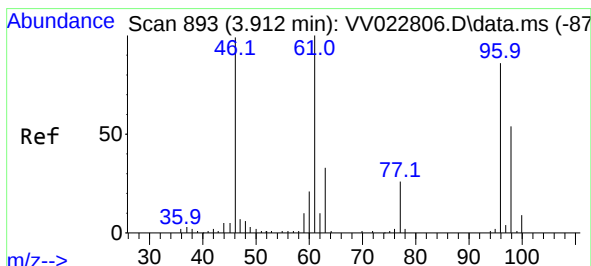
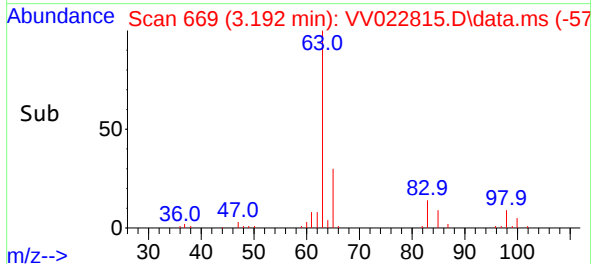
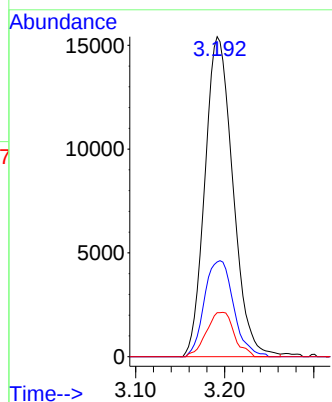
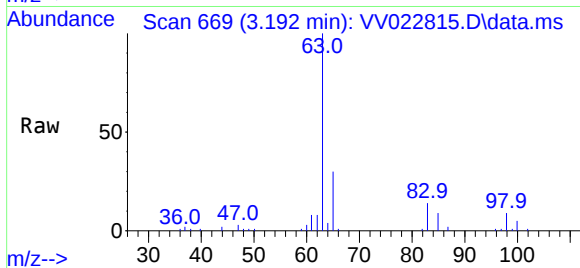


#19
1,1-Dichloroethane
Concen: 0.46 ug/L
RT: 3.192 min Scan# 669
Delta R.T. 0.000 min
Lab File: VV022815.D
Acq: 15 Oct 2021 00:40

Instrument :
MSVOA_V
ClientSampleId :
BFG95

Tgt Ion: 63 Resp: 33620

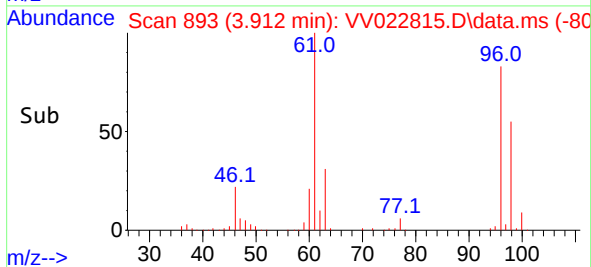
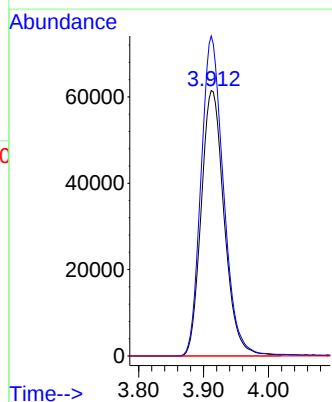
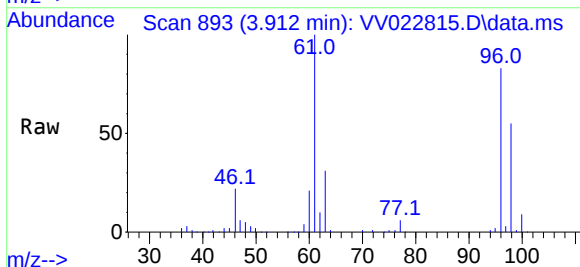
Ion	Ratio	Lower	Upper
63	100		
65	29.6	23.5	43.7
83	13.7	10.1	18.7

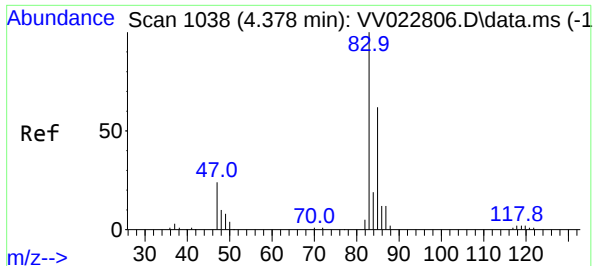


#22
cis-1,2-Dichloroethene
Concen: 3.55 ug/L
RT: 3.912 min Scan# 893
Delta R.T. 0.000 min
Lab File: VV022815.D
Acq: 15 Oct 2021 00:40

Tgt Ion: 96 Resp: 151112

Ion	Ratio	Lower	Upper
96	100		
61	120.5	86.0	159.6
68	0.0	0.0	0.0



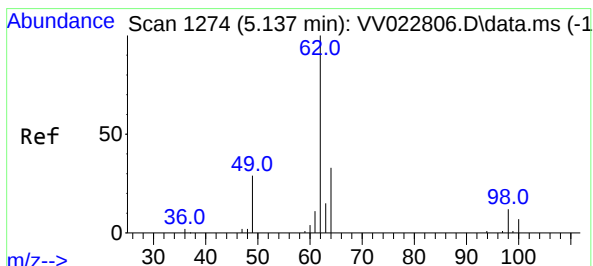
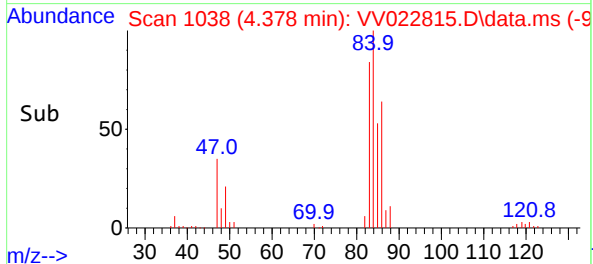
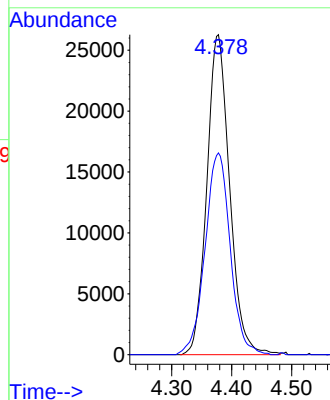
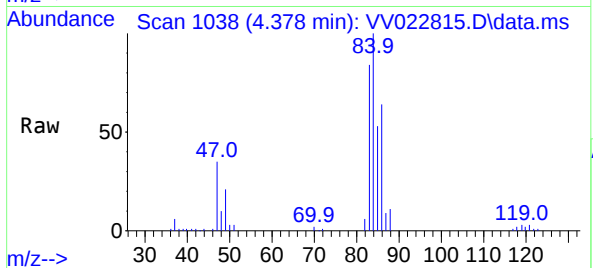


#25

Chloroform
Concen: 0.82 ug/L
RT: 4.378 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VV022815.D
Acq: 15 Oct 2021 00:40

Instrument :
MSVOA_V
ClientSampled :
BFG95

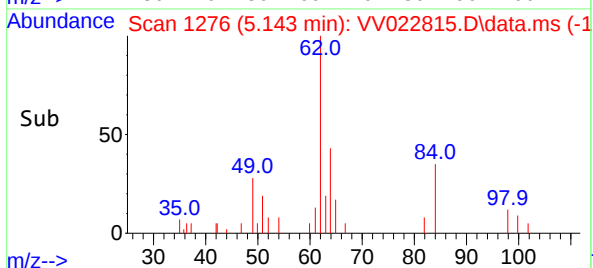
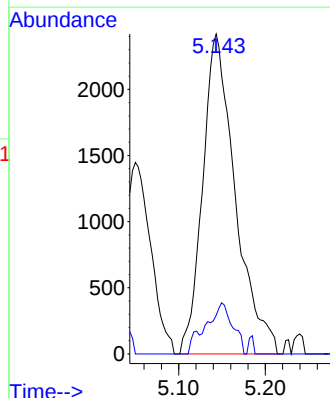
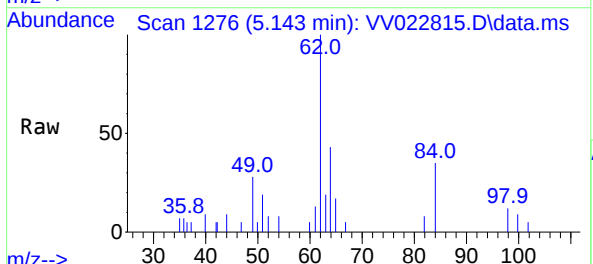
Tgt Ion: 83 Resp: 69534
Ion Ratio Lower Upper
83 100
85 63.1 45.7 84.9

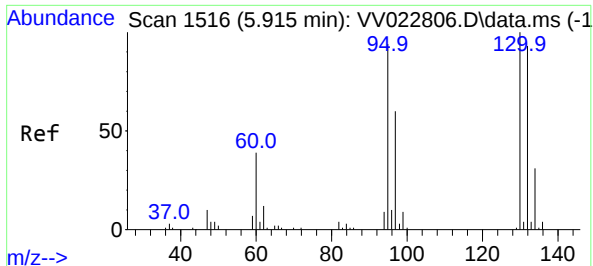


#27

1,2-Dichloroethane
Concen: 0.15 ug/L
RT: 5.143 min Scan# 1276
Delta R.T. 0.006 min
Lab File: VV022815.D
Acq: 15 Oct 2021 00:40

Tgt Ion: 62 Resp: 6336
Ion Ratio Lower Upper
62 100
98 12.1 9.7 14.5



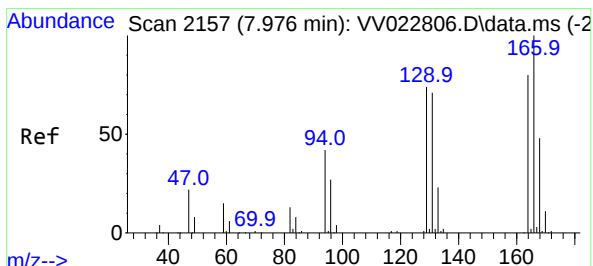
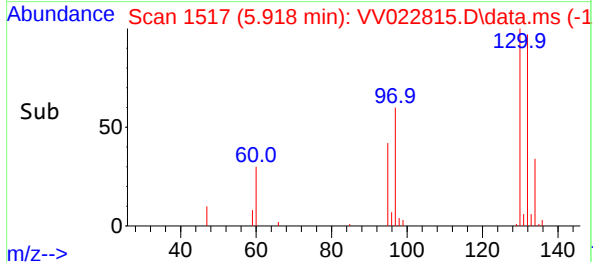
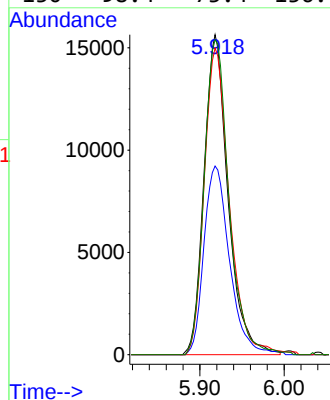
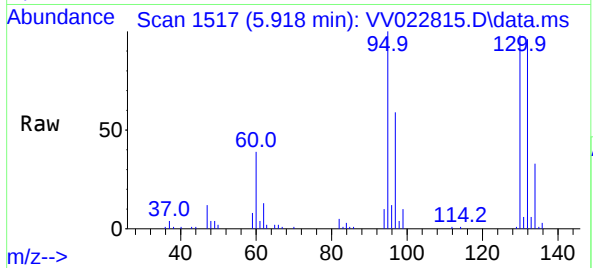


#34
Trichloroethene
Concen: 0.72 ug/L
RT: 5.918 min Scan# 1517
Delta R.T. 0.003 min
Lab File: VV022815.D
Acq: 15 Oct 2021 00:40

Instrument :
MSVOA_V
ClientSampleId :
BFG95

Tgt Ion: 95 Resp: 31055

Ion	Ratio	Lower	Upper
95	100		
97	59.0	45.8	85.2
132	95.8	72.2	134.0
130	98.4	73.4	136.4



#47
Tetrachloroethene
Concen: 2.33 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. 0.000 min
Lab File: VV022815.D
Acq: 15 Oct 2021 00:40

Tgt Ion: 164 Resp: 81187

Ion	Ratio	Lower	Upper
164	100		
129	92.7	65.0	120.6
131	88.2	62.2	115.4
166	129.3	89.2	165.8

