

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032924\
 Data File : VU058296.D
 Acq On : 30 Mar 2024 02:05
 Operator : MD/SY
 Sample : P1929-04
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 COAL6

Quant Time: Mar 30 03:28:17 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR032124WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Mar 30 01:09:11 2024
 Response via : Initial Calibration

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

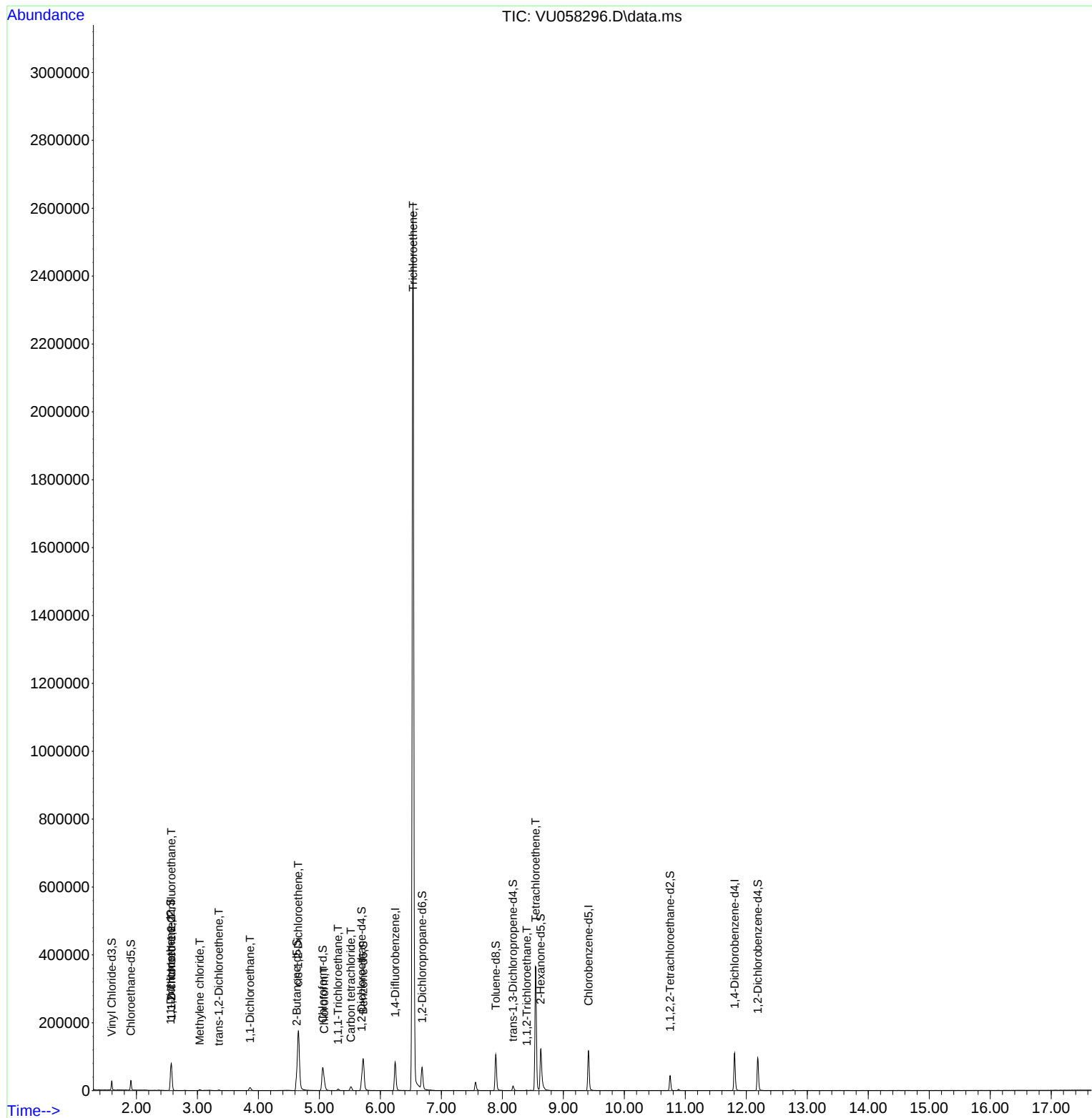
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	67517	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	65771	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	28612	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	18056	3.165	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	63.200%	
7) Chloroethane-d5	1.908	69	19222	4.127	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	82.600%	
11) 1,1-Dichloroethene-d2	2.560	65	8306	3.506	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	70.200%	
20) 2-Butanone-d5	4.628	46	63718	62.861	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	125.720%	
24) Chloroform-d	5.052	84	47693	4.675	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	93.600%	
26) 1,2-Dichloroethane-d4	5.692	65	24548	5.147	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	103.000%	
32) Benzene-d6	5.718	84	89702	4.199	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	84.000%	
36) 1,2-Dichloropropane-d6	6.682	67	30642	4.867	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	97.400%	
41) Toluene-d8	7.891	98	73774	3.898	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	78.000%	
43) trans-1,3-Dichloroprop...	8.174	79	8376	4.152	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	83.000%	
46) 2-Hexanone-d5	8.628	63	44823	54.864	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	109.720%	
56) 1,1,2,2-Tetrachloroeth...	10.750	84	22086	5.385	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	107.600%	
66) 1,2-Dichlorobenzene-d4	12.187	152	25684	4.820	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	96.400%	
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	6238	1.545	ug/L	97
12) 1,1-Dichloroethene	2.573	96	13282	3.924	ug/L	97
16) Methylene chloride	3.036	84	1093	0.228	ug/L	98
18) trans-1,2-Dichloroethene	3.351	96	578	0.163	ug/L	87
19) 1,1-Dichloroethane	3.862	63	11143	1.402	ug/L	98
22) cis-1,2-Dichloroethene	4.653	96	84279	19.281	ug/L	98
25) Chloroform	5.078	83	16438	1.972	ug/L	97
29) 1,1,1-Trichloroethane	5.306	97	3140	0.462	ug/L	97
31) Carbon tetrachloride	5.515	117	7792	1.346	ug/L	98
34) Trichloroethene	6.534	95	888933	197.521	ug/L	98
45) 1,1,2-Trichloroethane	8.399	97	481	0.158	ug/L #	77
47) Tetrachloroethene	8.544	164	77626	25.752	ug/L	97

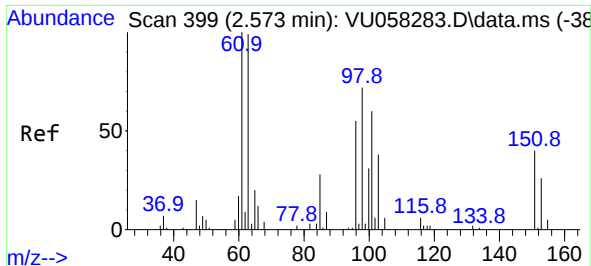
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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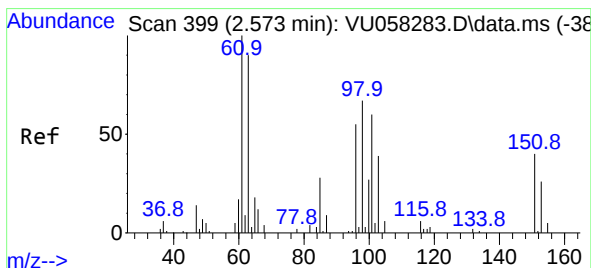
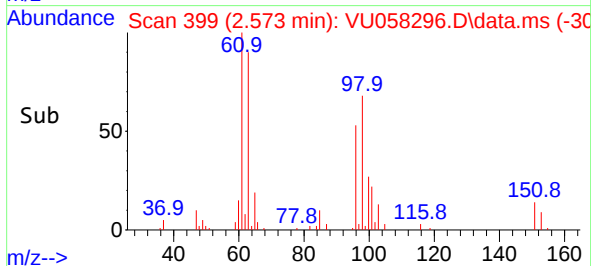
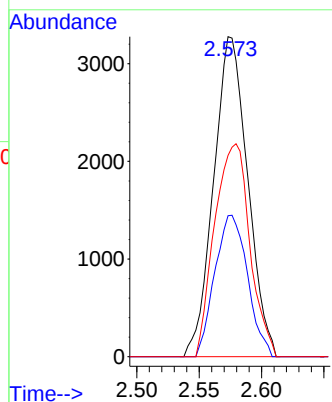
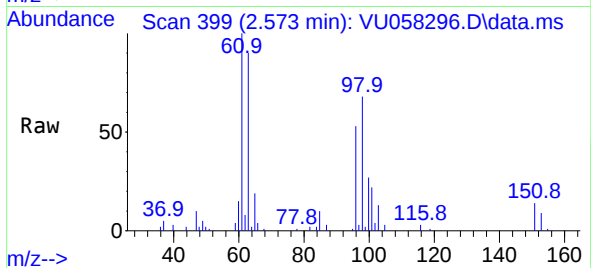




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.545 ug/L
RT: 2.573 min Scan# 399
Delta R.T. 0.000 min
Lab File: VU058296.D
Acq: 30 Mar 2024 02:05

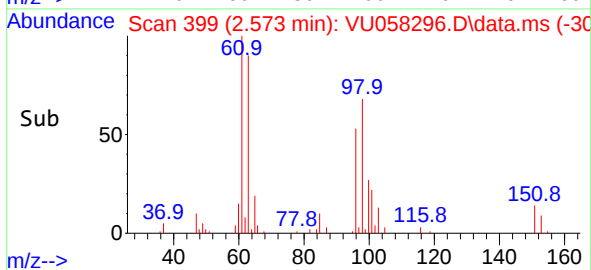
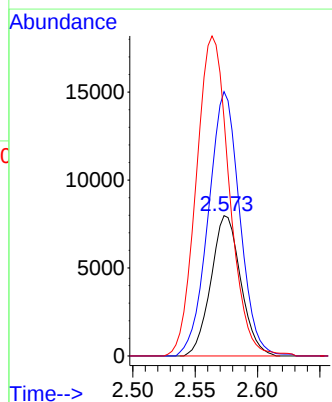
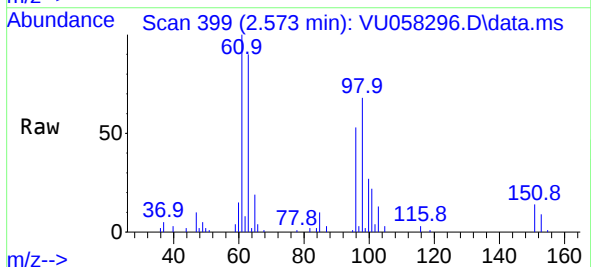
Instrument :
MSVOA_U
ClientSampleId :
COAL6

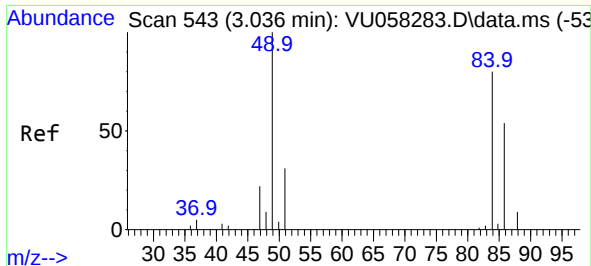
Tgt Ion:101 Resp: 6238
Ion Ratio Lower Upper
101 100
85 42.4 37.9 56.9
151 68.7 55.3 82.9



#12
1,1-Dichloroethene
Concen: 3.924 ug/L
RT: 2.573 min Scan# 399
Delta R.T. 0.000 min
Lab File: VU058296.D
Acq: 30 Mar 2024 02:05

Tgt Ion: 96 Resp: 13282
Ion Ratio Lower Upper
96 100
61 188.5 128.1 237.9
63 169.1 116.8 217.0



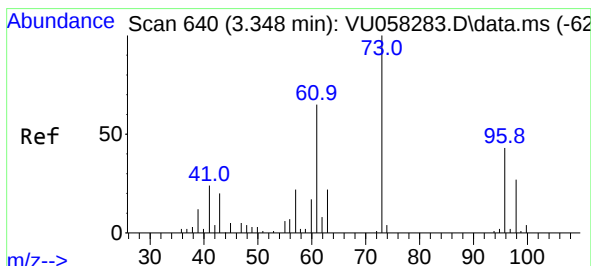
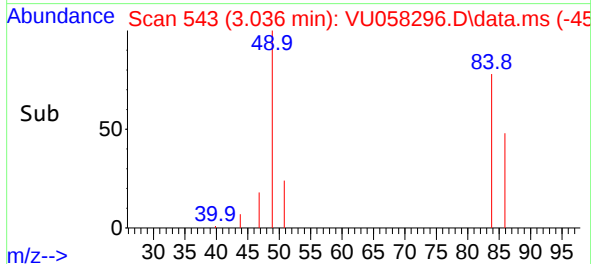
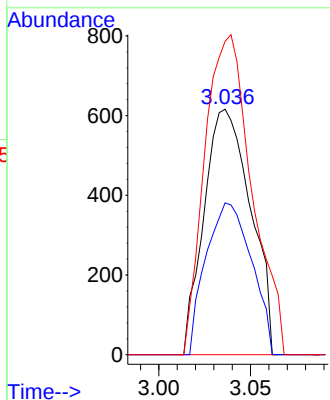
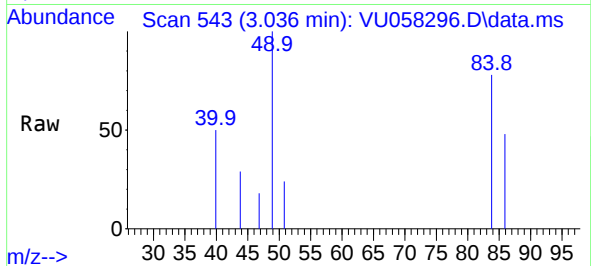


#16
Methylene chloride
Concen: 0.228 ug/L
RT: 3.036 min Scan# 54
Delta R.T. 0.000 min
Lab File: VU058296.D
Acq: 30 Mar 2024 02:05

Instrument :
MSVOA_U
ClientSampleId :
COAL6

Tgt Ion: 84 Resp: 1093

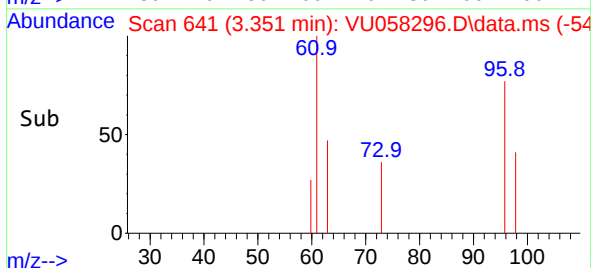
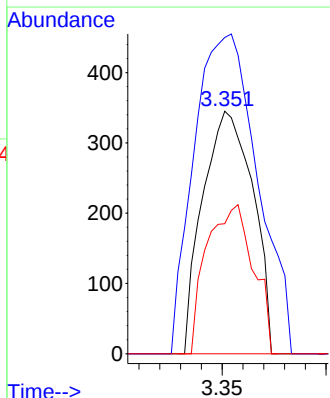
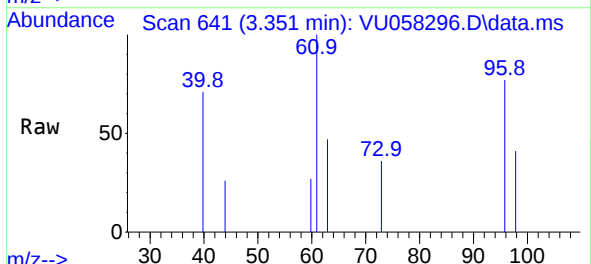
Ion	Ratio	Lower	Upper
84	100		
86	61.9	45.6	84.6
49	127.6	88.3	163.9

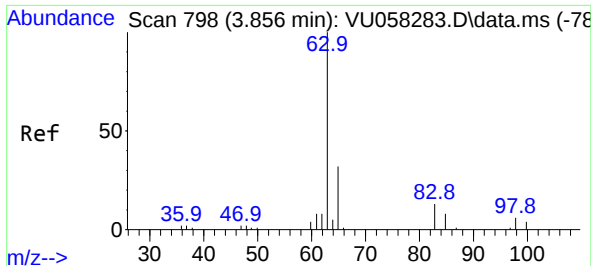


#18
trans-1,2-Dichloroethene
Concen: 0.163 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU058296.D
Acq: 30 Mar 2024 02:05

Tgt Ion: 96 Resp: 578

Ion	Ratio	Lower	Upper
96	100		
61	130.4	102.5	190.3
98	53.6	44.0	81.8

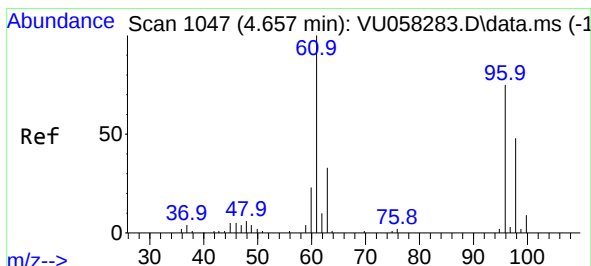
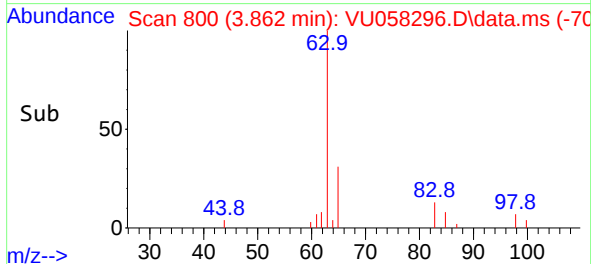
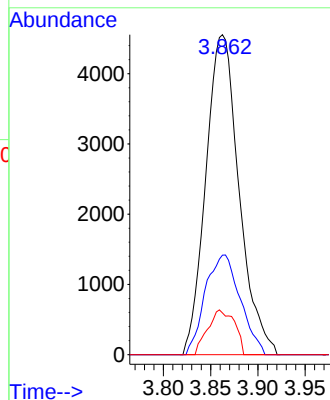
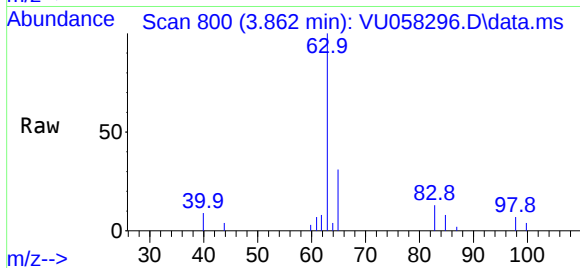




#19
1,1-Dichloroethane
Concen: 1.402 ug/L
RT: 3.862 min Scan# 80
Delta R.T. 0.007 min
Lab File: VU058296.D
Acq: 30 Mar 2024 02:05

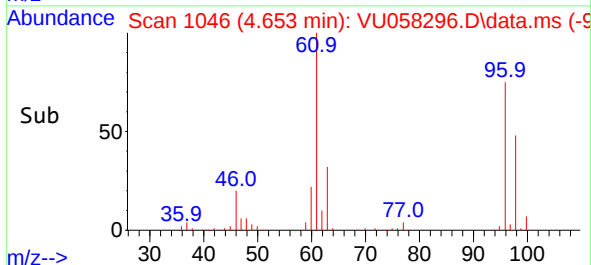
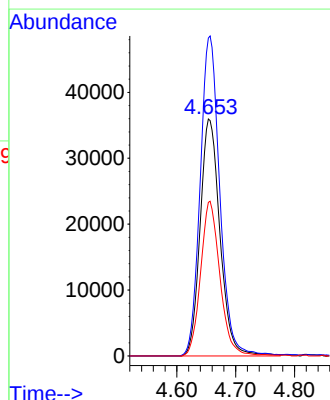
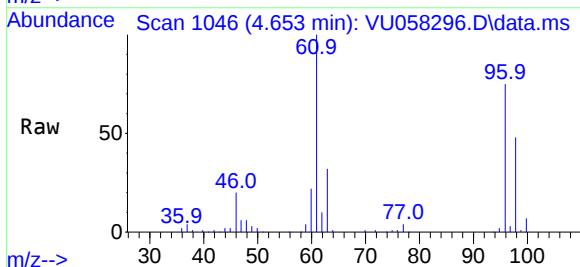
Instrument :
MSVOA_U
ClientSampleId :
COAL6

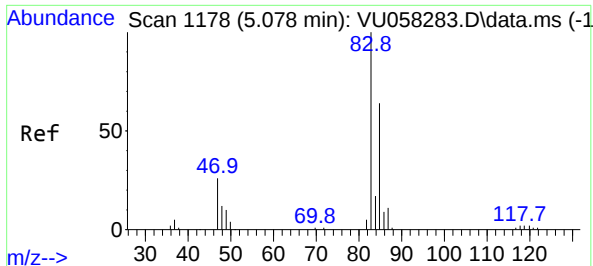
Tgt Ion: 63 Resp: 11143
Ion Ratio Lower Upper
63 100
65 31.1 22.3 41.5
83 13.0 10.0 18.6



#22
cis-1,2-Dichloroethene
Concen: 19.281 ug/L
RT: 4.653 min Scan# 1046
Delta R.T. -0.003 min
Lab File: VU058296.D
Acq: 30 Mar 2024 02:05

Tgt Ion: 96 Resp: 84279
Ion Ratio Lower Upper
96 100
61 134.2 92.8 172.4
98 64.8 43.2 80.2

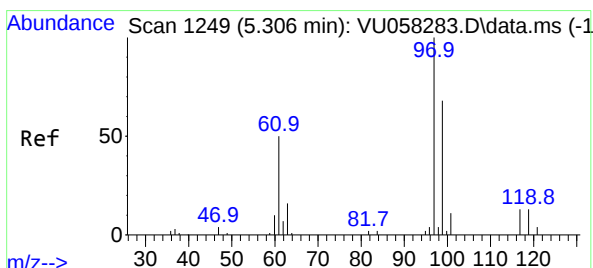
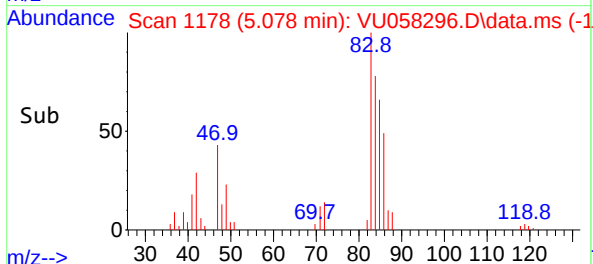
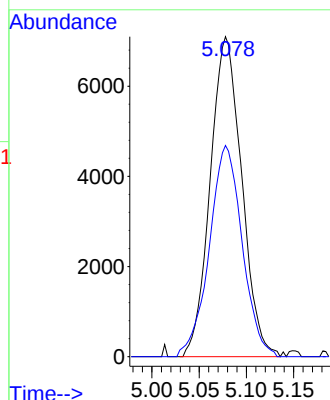
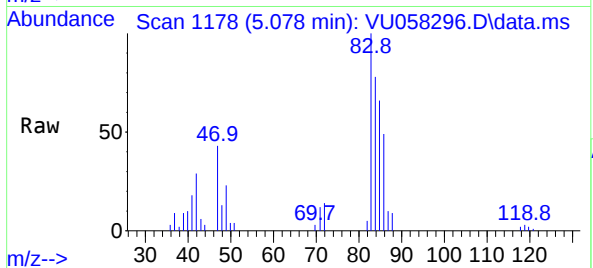




#25
Chloroform
Concen: 1.972 ug/L
RT: 5.078 min Scan# 1178
Delta R.T. 0.000 min
Lab File: VU058296.D
Acq: 30 Mar 2024 02:05

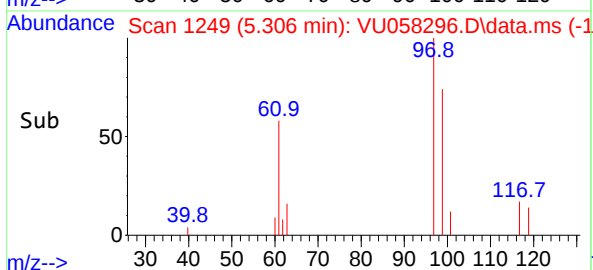
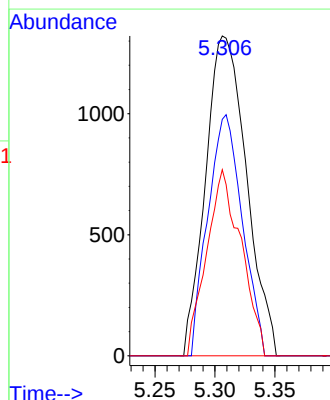
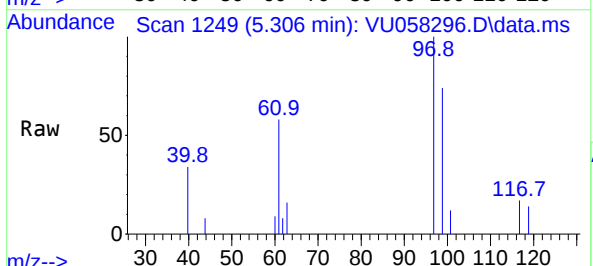
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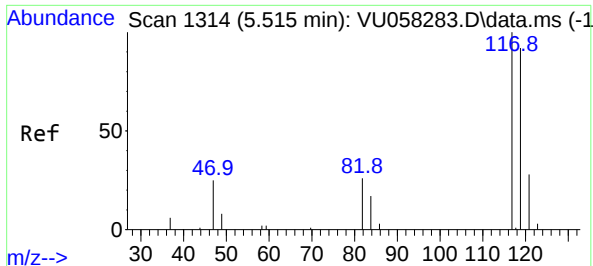
Tgt Ion: 83 Resp: 16438
Ion Ratio Lower Upper
83 100
85 66.0 47.9 88.9



#29
1,1,1-Trichloroethane
Concen: 0.462 ug/L
RT: 5.306 min Scan# 1249
Delta R.T. 0.000 min
Lab File: VU058296.D
Acq: 30 Mar 2024 02:05

Tgt Ion: 97 Resp: 3140
Ion Ratio Lower Upper
97 100
99 63.5 50.5 75.7
61 48.9 36.3 54.5

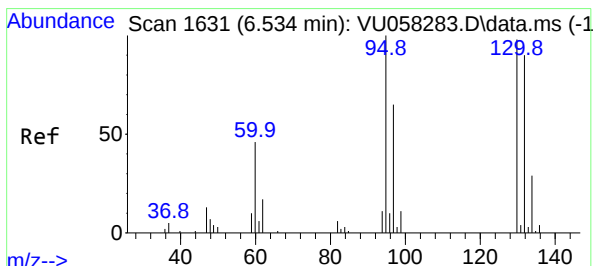
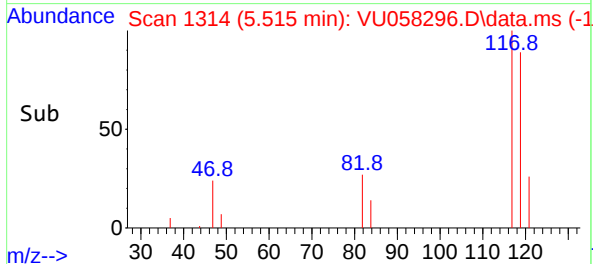
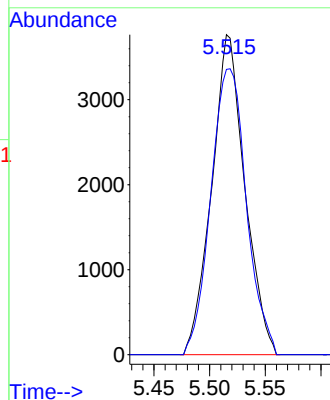
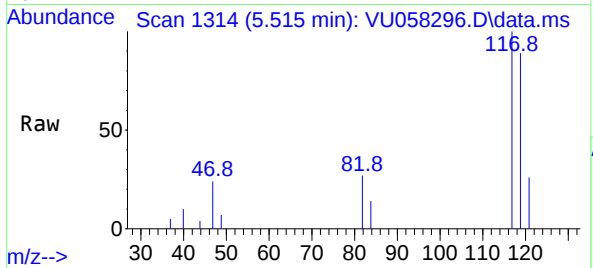




#31
Carbon tetrachloride
Concen: 1.346 ug/L
RT: 5.515 min Scan# 117
Delta R.T. 0.000 min
Lab File: VU058296.D
Acq: 30 Mar 2024 02:05

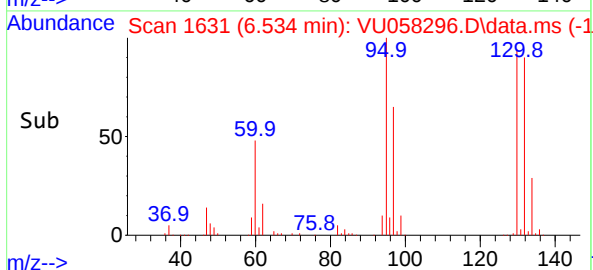
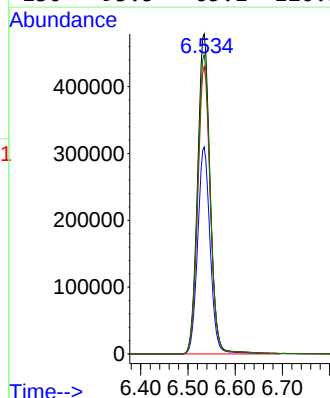
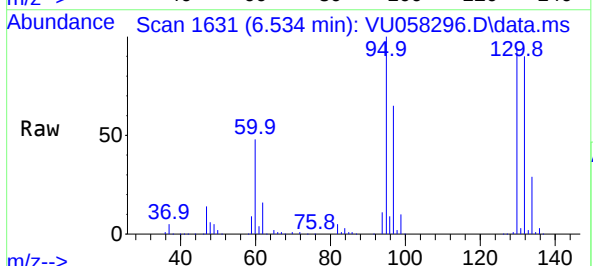
Instrument :
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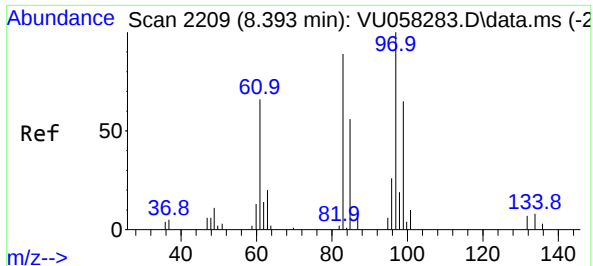
Tgt Ion:117 Resp: 7792
Ion Ratio Lower Upper
117 100
119 96.1 78.1 117.1



#34
Trichloroethene
Concen: 197.521 ug/L
RT: 6.534 min Scan# 1631
Delta R.T. 0.000 min
Lab File: VU058296.D
Acq: 30 Mar 2024 02:05

Tgt Ion: 95 Resp: 888933
Ion Ratio Lower Upper
95 100
97 64.7 47.7 88.7
132 89.8 63.6 118.2
130 93.5 65.1 120.9



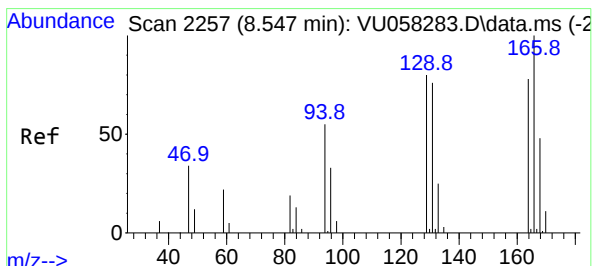
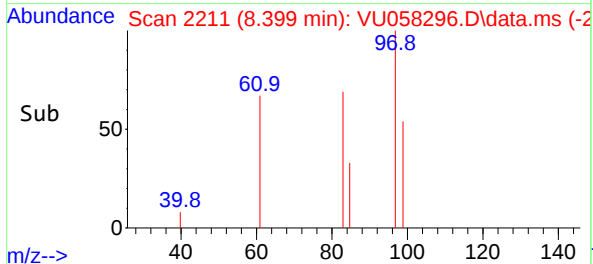
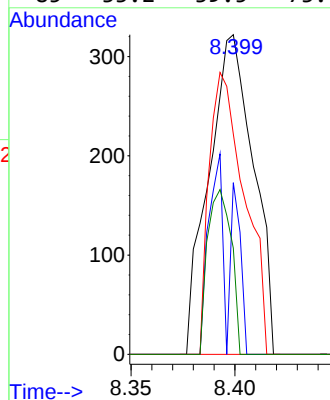
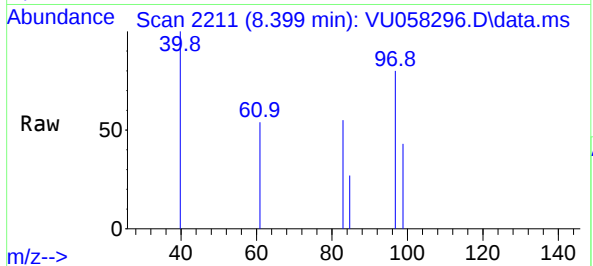


#45
1,1,2-Trichloroethane
Concen: 0.158 ug/L
RT: 8.399 min Scan# 2111
Delta R.T. 0.007 min
Lab File: VU058296.D
Acq: 30 Mar 2024 02:05

Instrument :
MSVOA_U
ClientSampleId :
COAL6

Tgt Ion: 97 Resp: 481

Ion	Ratio	Lower	Upper
97	100		
99	53.7	44.5	82.7
83	68.9	64.1	119.1
85	33.2	39.5	73.4



#47
Tetrachloroethene
Concen: 25.752 ug/L
RT: 8.544 min Scan# 2256
Delta R.T. -0.003 min
Lab File: VU058296.D
Acq: 30 Mar 2024 02:05

Tgt Ion: 164 Resp: 77626

Ion	Ratio	Lower	Upper
164	100		
129	101.7	71.3	132.3
131	96.2	70.8	131.4
166	125.6	90.9	168.9

