

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU032924\
 Data File : VU058294.D
 Acq On : 30 Mar 2024 01:18
 Operator : MD/SY
 Sample : P1929-02
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 COAL4

Quant Time: Mar 30 01:35:52 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)

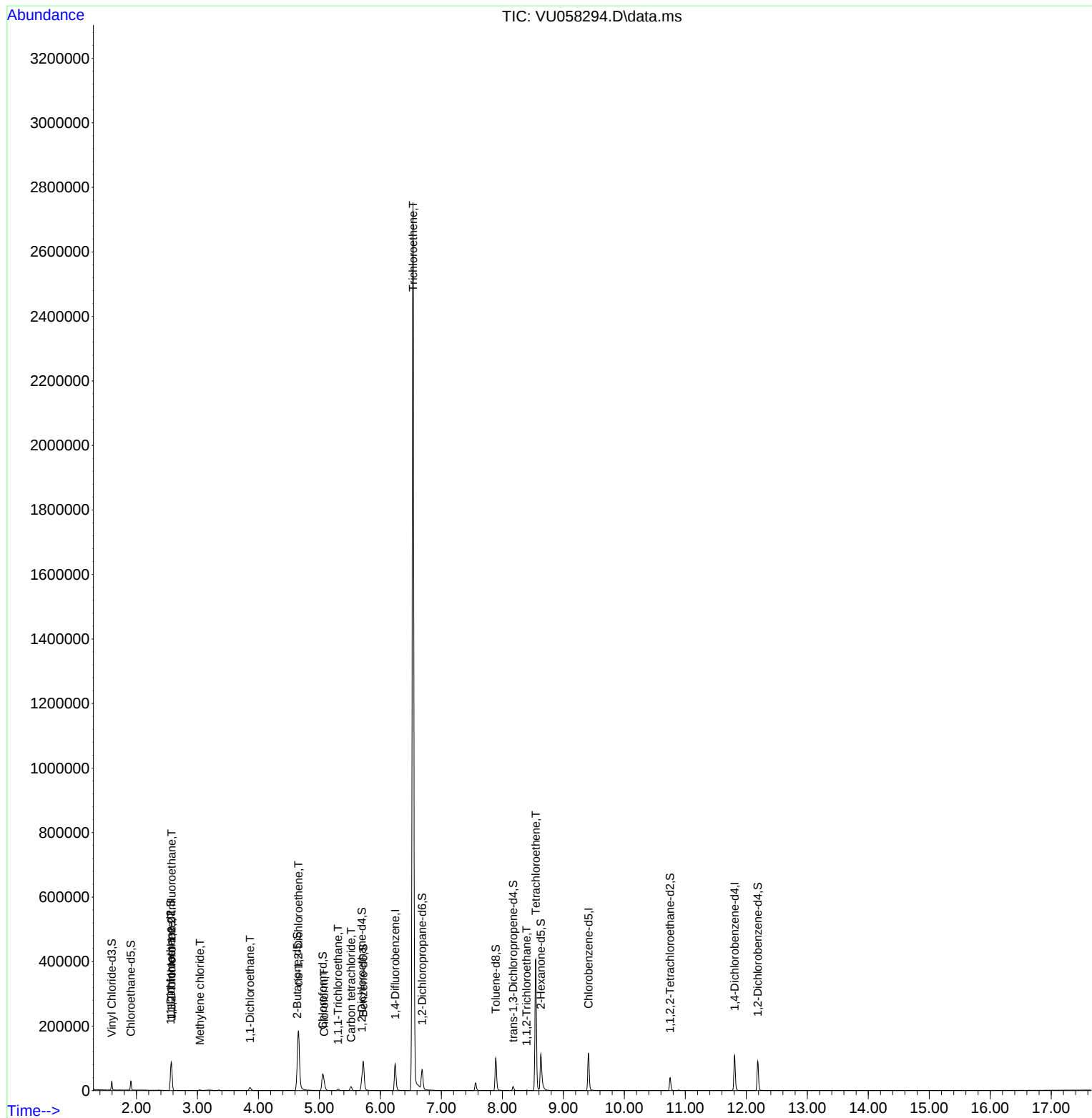
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	67226	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	65410	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	29063	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	17841	3.140	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	62.800%	
7) Chloroethane-d5	1.908	69	18934	4.083	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	81.600%	
11) 1,1-Dichloroethene-d2	2.560	65	8159	3.459	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	69.200%	
20) 2-Butanone-d5	4.634	46	59824	59.275	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	118.540%	
24) Chloroform-d	5.052	84	44806	4.411	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	88.200%	
26) 1,2-Dichloroethane-d4	5.695	65	22721	4.785	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	95.600%	
32) Benzene-d6	5.718	84	85529	4.026	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	80.600%	
36) 1,2-Dichloropropane-d6	6.682	67	29200	4.663	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	93.200%	
41) Toluene-d8	7.891	98	69987	3.719	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	74.400%	
43) trans-1,3-Dichloroprop...	8.177	79	8244	4.109	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	82.200%	
46) 2-Hexanone-d5	8.631	63	42084	51.796	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	103.600%	
56) 1,1,2,2-Tetrachloroeth...	10.750	84	20614	5.053	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	101.000%	
66) 1,2-Dichlorobenzene-d4	12.187	152	24421	4.512	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	90.200%	
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	7779	1.935	ug/L	95
12) 1,1-Dichloroethene	2.573	96	14874	4.413	ug/L	90
16) Methylene chloride	3.039	84	1023	0.214	ug/L	90
19) 1,1-Dichloroethane	3.862	63	11789	1.490	ug/L	97
22) cis-1,2-Dichloroethene	4.657	96	86573	19.891	ug/L	99
25) Chloroform	5.078	83	16833	2.028	ug/L	95
29) 1,1,1-Trichloroethane	5.306	97	3503	0.518	ug/L	97
31) Carbon tetrachloride	5.518	117	8224	1.428	ug/L	95
34) Trichloroethene	6.534	95	935584	209.034	ug/L	98
45) 1,1,2-Trichloroethane	8.396	97	348	0.115	ug/L	93
47) Tetrachloroethene	8.547	164	86559	28.874	ug/L	94

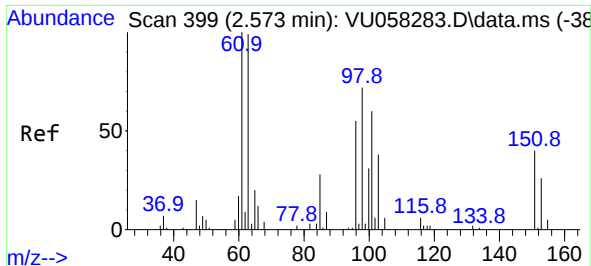
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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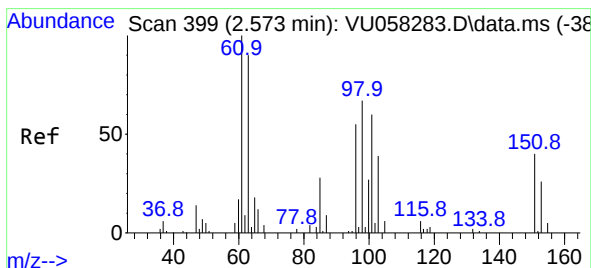
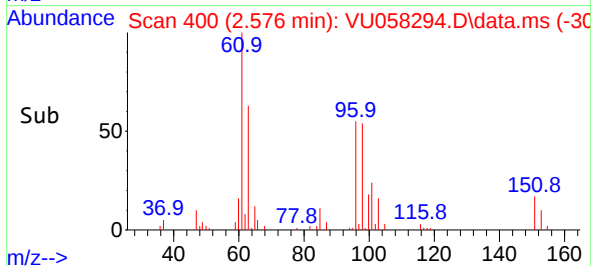
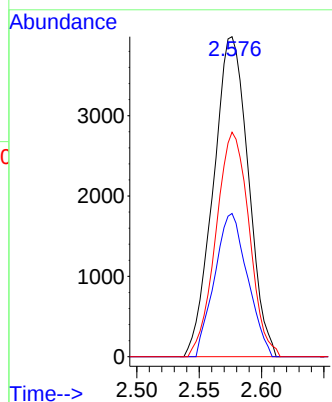
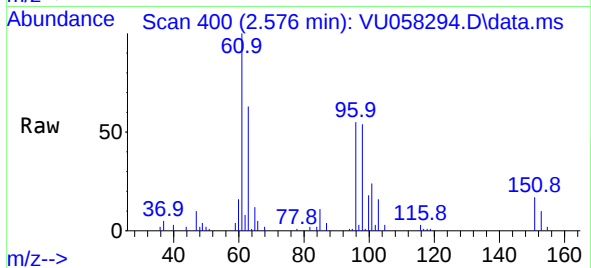




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.935 ug/L
RT: 2.576 min Scan# 40
Delta R.T. 0.003 min
Lab File: VU058294.D
Acq: 30 Mar 2024 01:18

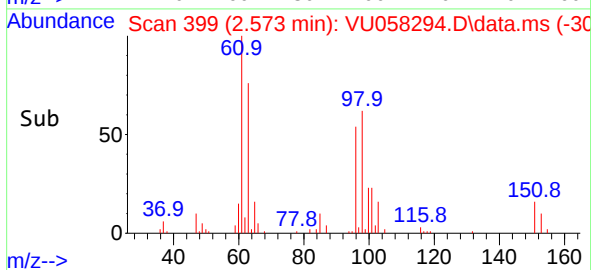
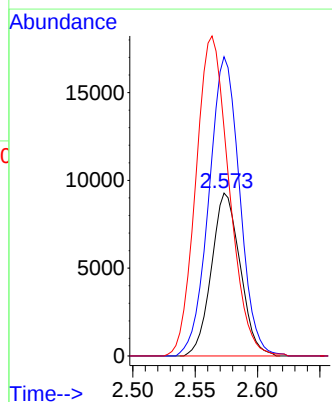
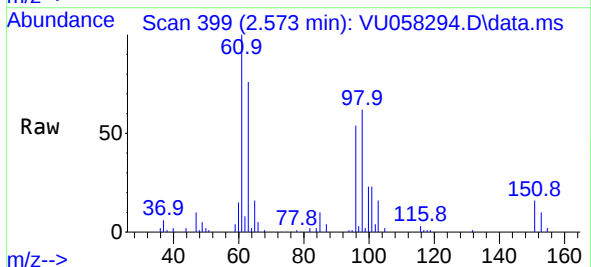
Instrument :
MSVOA_U
ClientSampleId :
COAL4

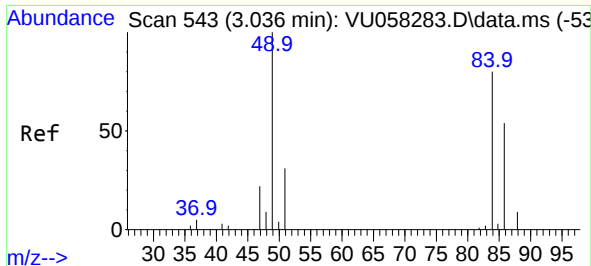
Tgt Ion:101 Resp: 7779
Ion Ratio Lower Upper
101 100
85 42.0 37.9 56.9
151 66.8 55.3 82.9



#12
1,1-Dichloroethene
Concen: 4.413 ug/L
RT: 2.573 min Scan# 399
Delta R.T. 0.000 min
Lab File: VU058294.D
Acq: 30 Mar 2024 01:18

Tgt Ion: 96 Resp: 14874
Ion Ratio Lower Upper
96 100
61 183.7 128.1 237.9
63 139.8 116.8 217.0

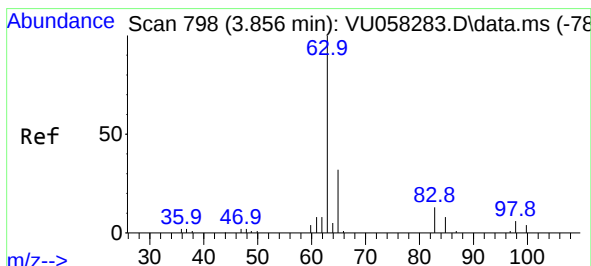
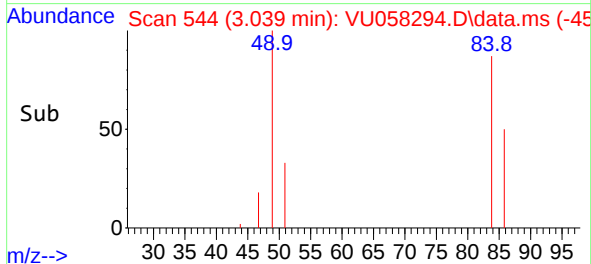
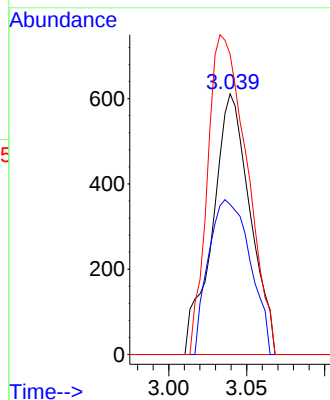
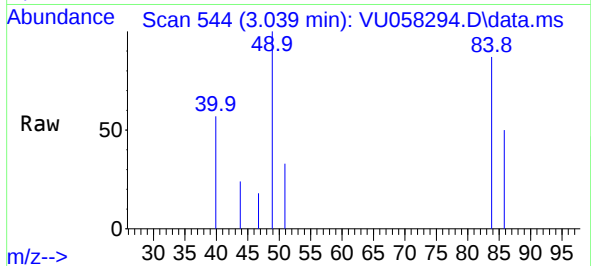




#16
Methylene chloride
Concen: 0.214 ug/L
RT: 3.039 min Scan# 54
Delta R.T. 0.003 min
Lab File: VU058294.D
Acq: 30 Mar 2024 01:18

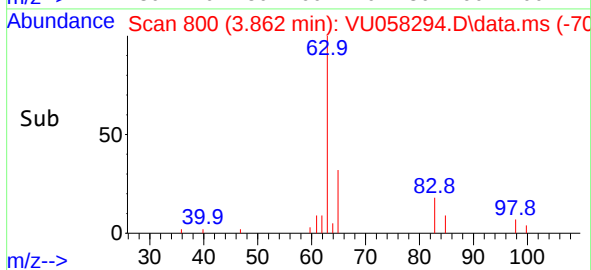
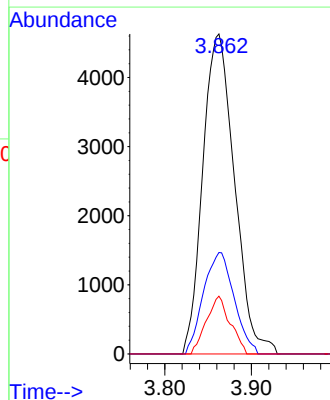
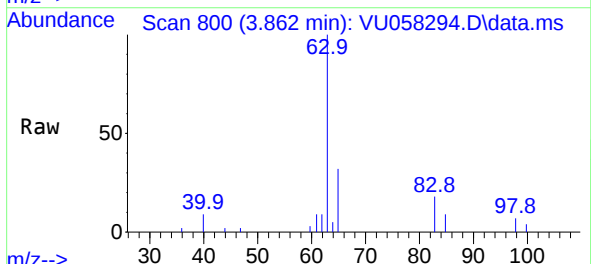
Instrument :
MSVOA_U
ClientSampleId :
C0AL4

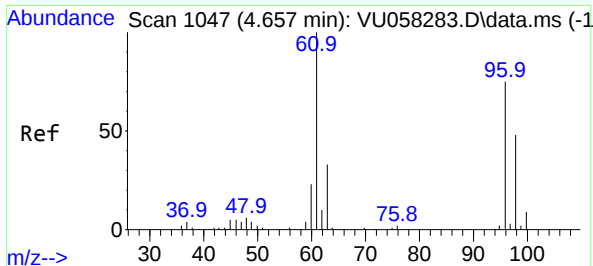
Tgt Ion: 84 Resp: 1023
Ion Ratio Lower Upper
84 100
86 57.6 45.6 84.6
49 115.2 88.3 163.9



#19
1,1-Dichloroethane
Concen: 1.490 ug/L
RT: 3.862 min Scan# 800
Delta R.T. 0.007 min
Lab File: VU058294.D
Acq: 30 Mar 2024 01:18

Tgt Ion: 63 Resp: 11789
Ion Ratio Lower Upper
63 100
65 31.7 22.3 41.5
83 18.1 10.0 18.6

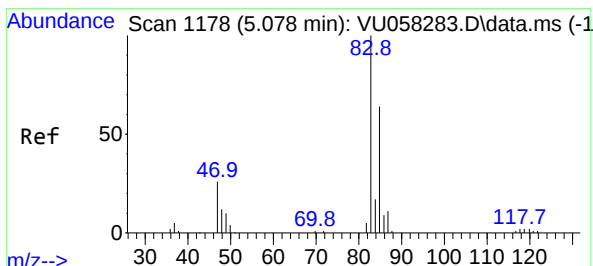
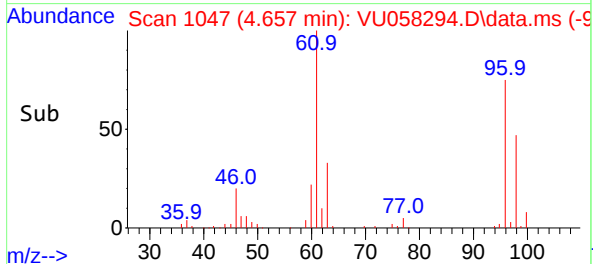
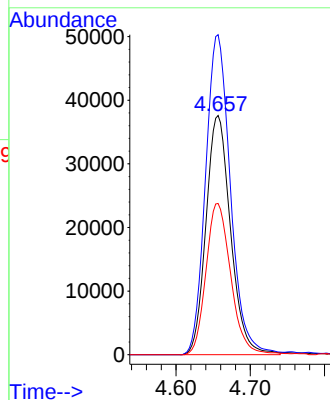
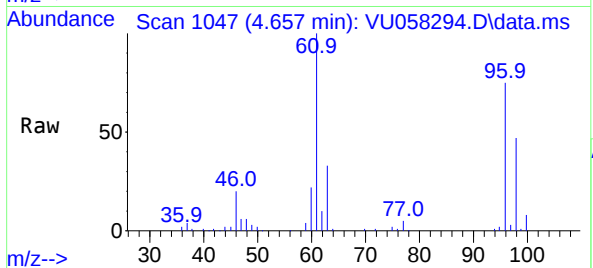




#22
cis-1,2-Dichloroethene
Concen: 19.891 ug/L
RT: 4.657 min Scan# 1047
Delta R.T. 0.000 min
Lab File: VU058294.D
Acq: 30 Mar 2024 01:18

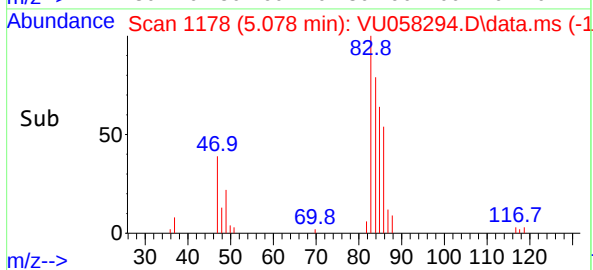
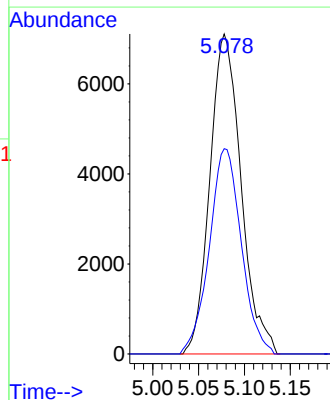
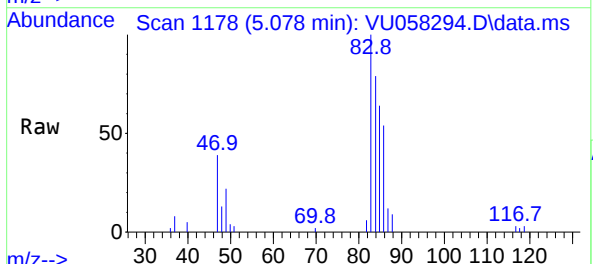
Instrument :
MSVOA_U
ClientSampleId :
COAL4

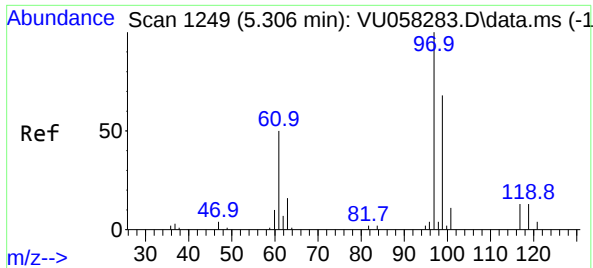
Tgt Ion: 96 Resp: 86573
Ion Ratio Lower Upper
96 100
61 133.8 92.8 172.4
98 63.2 43.2 80.2



#25
Chloroform
Concen: 2.028 ug/L
RT: 5.078 min Scan# 1178
Delta R.T. 0.000 min
Lab File: VU058294.D
Acq: 30 Mar 2024 01:18

Tgt Ion: 83 Resp: 16833
Ion Ratio Lower Upper
83 100
85 64.2 47.9 88.9

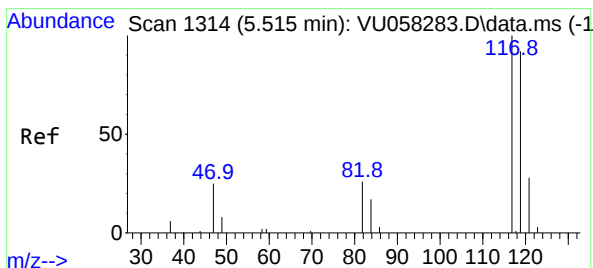
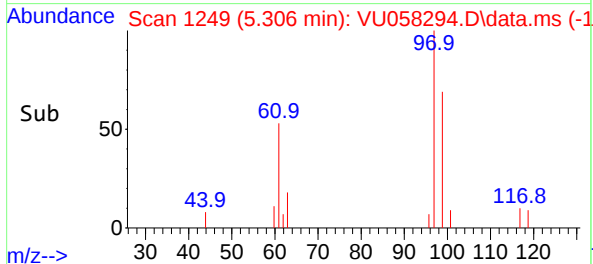
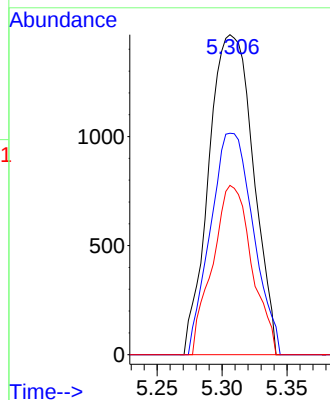
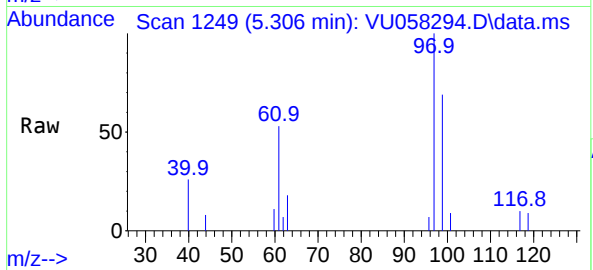




#29
1,1,1-Trichloroethane
Concen: 0.518 ug/L
RT: 5.306 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU058294.D
Acq: 30 Mar 2024 01:18

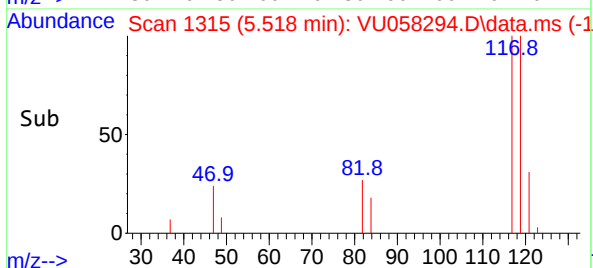
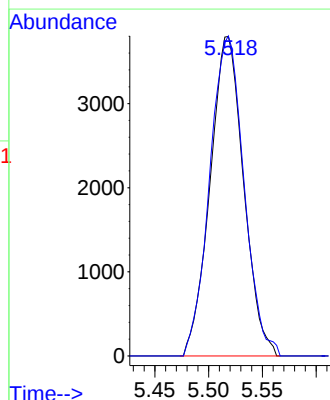
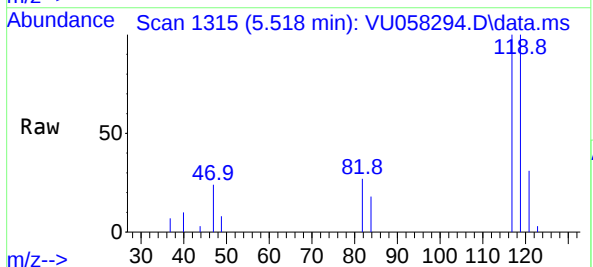
Instrument :
MSVOA_U
ClientSampleId :
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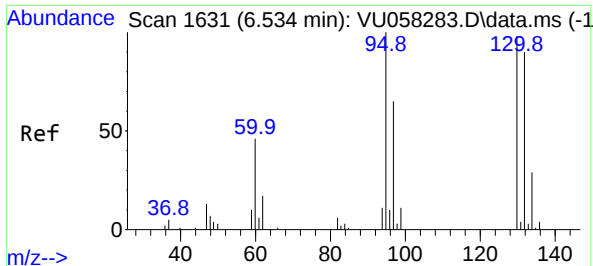
Tgt Ion:	97	Resp:	3503
Ion	Ratio	Lower	Upper
97	100		
99	66.7	50.5	75.7
61	46.6	36.3	54.5



#31
Carbon tetrachloride
Concen: 1.428 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. 0.003 min
Lab File: VU058294.D
Acq: 30 Mar 2024 01:18

Tgt Ion:	117	Resp:	8224
Ion	Ratio	Lower	Upper
117	100		
119	102.4	78.1	117.1

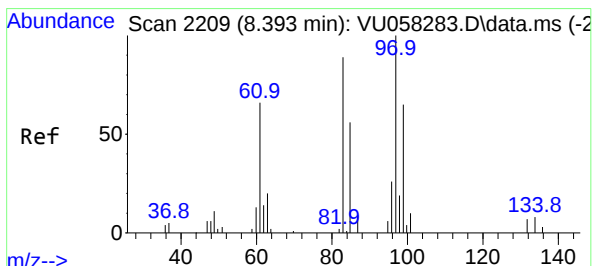
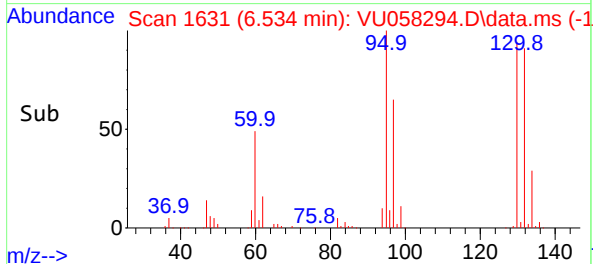
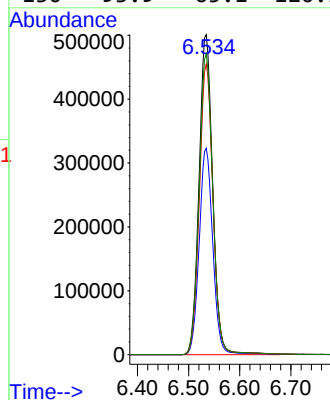
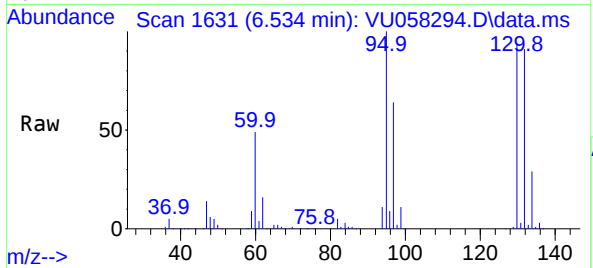




#34
Trichloroethene
Concen: 209.034 ug/L
RT: 6.534 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU058294.D
Acq: 30 Mar 2024 01:18

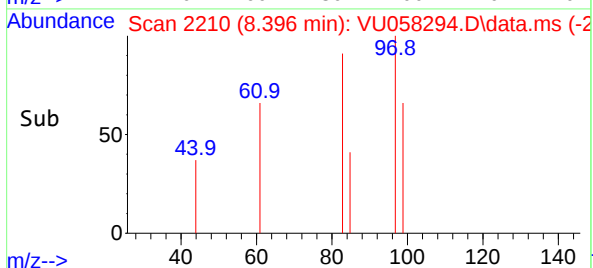
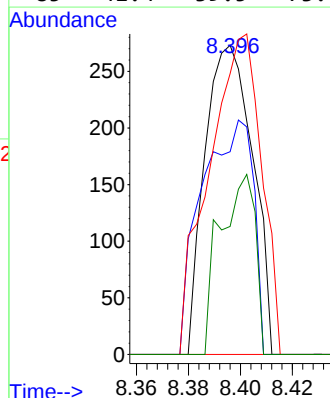
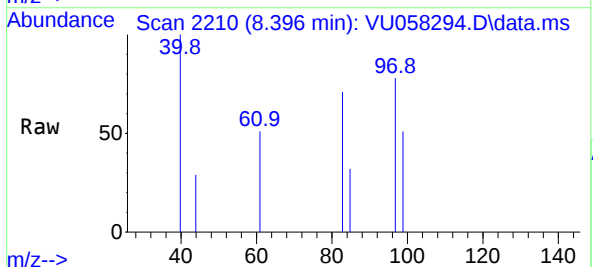
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ClientSampleId :
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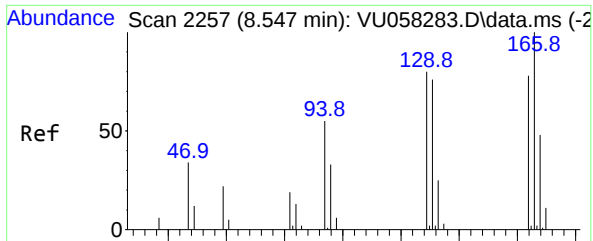
Tgt Ion: 95 Resp: 935584
Ion Ratio Lower Upper
95 100
97 64.5 47.7 88.7
132 90.8 63.6 118.2
130 93.9 65.1 120.9



#45
1,1,2-Trichloroethane
Concen: 0.115 ug/L
RT: 8.396 min Scan# 2210
Delta R.T. 0.003 min
Lab File: VU058294.D
Acq: 30 Mar 2024 01:18

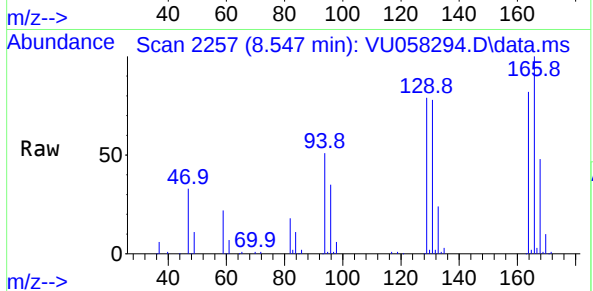
Tgt Ion: 97 Resp: 348
Ion Ratio Lower Upper
97 100
99 65.6 44.5 82.7
83 90.8 64.1 119.1
85 41.4 39.5 73.4





#47
 Tetrachloroethene
 Concen: 28.874 ug/L
 RT: 8.547 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VU058294.D
 Acq: 30 Mar 2024 01:18

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AL4



Tgt Ion:164 Resp: 86559

Ion	Ratio	Lower	Upper
164	100		
129	96.7	71.3	132.3
131	95.0	70.8	131.4
166	122.2	90.9	168.9

