

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112123\
 Data File : VU056557.D
 Acq On : 21 Nov 2023 17:33
 Operator : MD/SY
 Sample : 05441-01DL 10X
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 21 23:36:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Nov 21 23:30:53 2023
 Response via : Initial Calibration

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

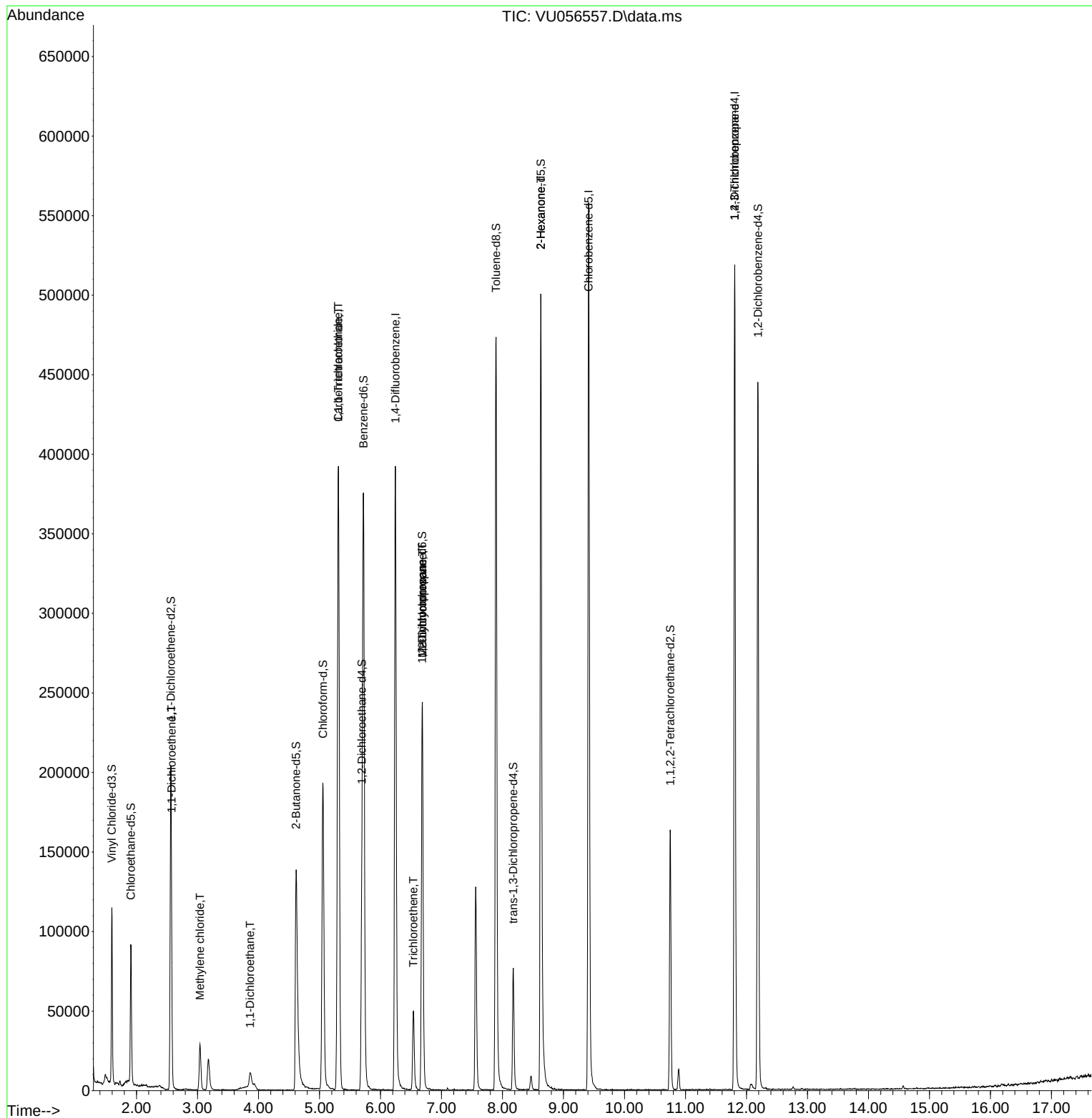
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	325661	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	321321	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	137484	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	78519	3.223	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	64.400%
7) Chloroethane-d5	1.907	69	64565	3.457	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	69.200%
11) 1,1-Dichloroethene-d2	2.563	65	38898	3.618	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.400%
20) 2-Butanone-d5	4.615	46	204122	42.026	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	84.060%
24) Chloroform-d	5.055	84	186680	3.962	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.200%
26) 1,2-Dichloroethane-d4	5.695	65	91914	4.222	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.400%
32) Benzene-d6	5.721	84	365151	3.814	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	76.200%
36) 1,2-Dichloropropane-d6	6.682	67	119515	4.142	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	82.800%
41) Toluene-d8	7.894	98	333014	3.939	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	78.800%
43) trans-1,3-Dichloroprop...	8.177	79	46879	4.236	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.800%
46) 2-Hexanone-d5	8.627	63	172373	39.638	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	79.280%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	82918	4.022	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	80.400%
66) 1,2-Dichlorobenzene-d4	12.187	152	119052	4.687	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.800%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.573	96	5323	0.267	ug/L #	1
16) Methylene chloride	3.039	84	14622	0.554	ug/L	96
19) 1,1-Dichloroethane	3.862	63	10992	0.271	ug/L	95
29) 1,1,1-Trichloroethane	5.309	97	294606	7.987	ug/L	99
31) Carbon tetrachloride	5.309	117	36968	1.167	ug/L	98
34) Trichloroethene	6.537	95	17271	0.691	ug/L	96
35) Methylcyclohexane	6.685	83	27639	0.766	ug/L #	18
37) 1,2-Dichloropropane	6.685	63	13140	0.550	ug/L #	88
48) 2-Hexanone	8.627	43	20046	2.171	ug/L #	70
61) 1,2,3-Trichloropropane	11.807	75	16572	1.405	ug/L #	69

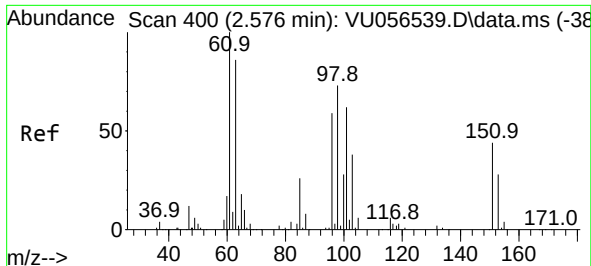
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.267 ug/L

RT: 2.573 min Scan# 399

Delta R.T. -0.003 min

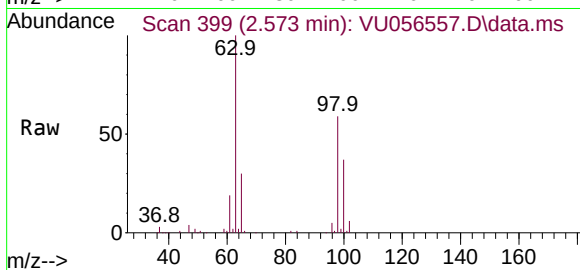
Lab File: VU056557.D

Acq: 21 Nov 2023 17:33

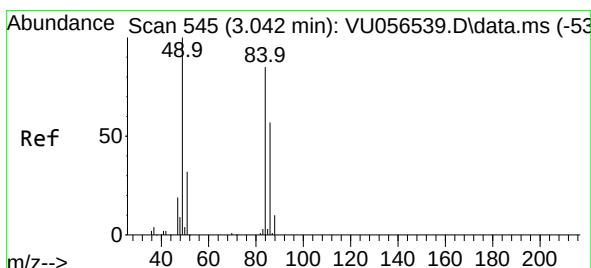
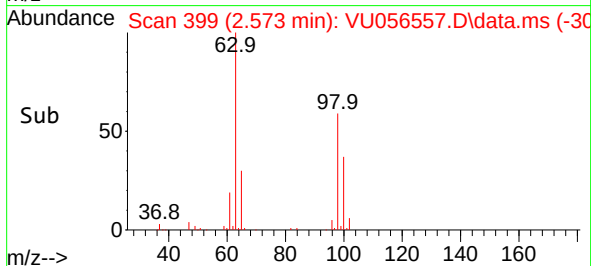
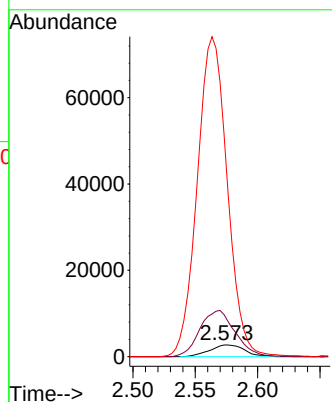
Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:	96	Resp:	5323
Ion	Ratio	Lower	Upper
96	100		
61	360.0	123.1	228.7#
63	1899.8	93.3	173.3#



#16

Methylene chloride

Concen: 0.554 ug/L

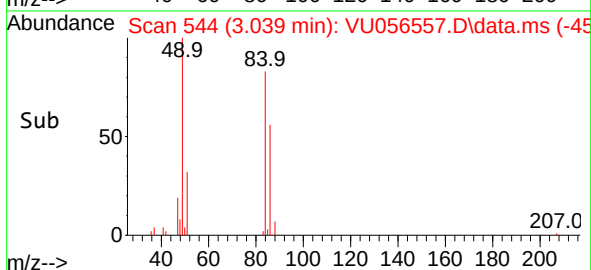
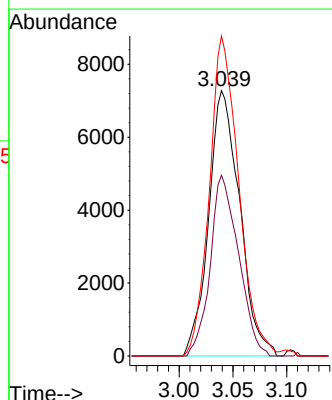
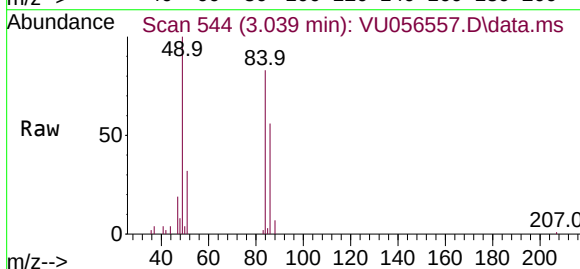
RT: 3.039 min Scan# 544

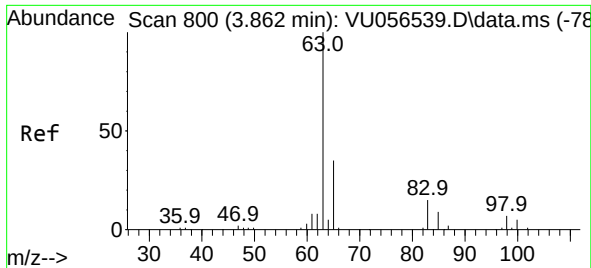
Delta R.T. -0.003 min

Lab File: VU056557.D

Acq: 21 Nov 2023 17:33

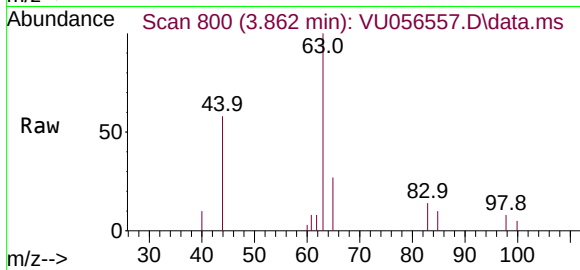
Tgt Ion:	84	Resp:	14622
Ion	Ratio	Lower	Upper
84	100		
86	68.1	44.7	83.1
49	120.6	81.8	152.0



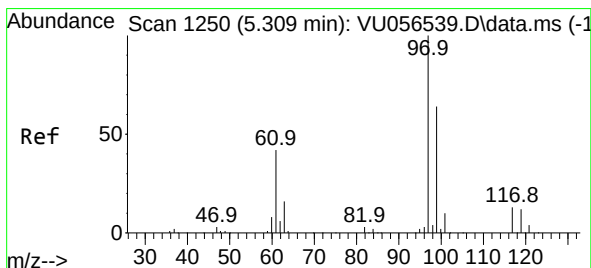
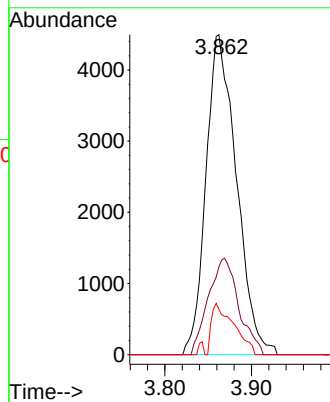
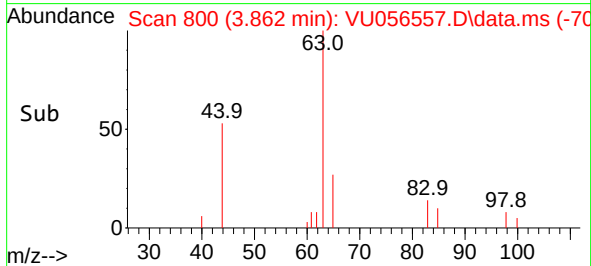


#19
 1,1-Dichloroethane
 Concen: 0.271 ug/L
 RT: 3.862 min Scan# 800
 Delta R.T. 0.000 min
 Lab File: VU056557.D
 Acq: 21 Nov 2023 17:33

Instrument :
 MSVOA_U
 ClientSampleId :

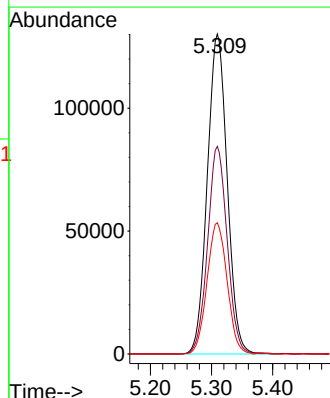
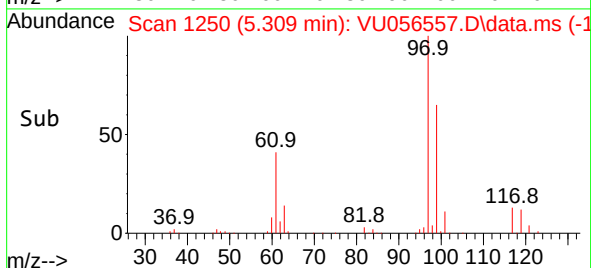
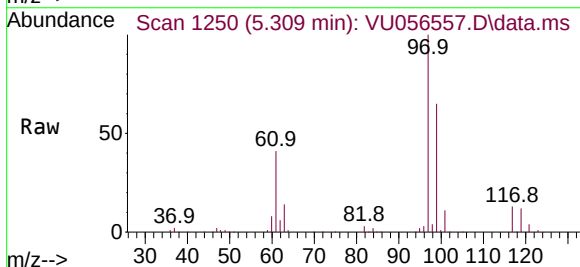


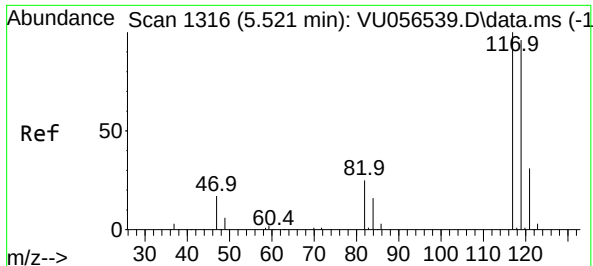
Tgt Ion:	63	Resp:	10992
Ion	Ratio	Lower	Upper
63	100		
65	27.4	21.8	40.6
83	14.1	9.7	17.9



#29
 1,1,1-Trichloroethane
 Concen: 7.987 ug/L
 RT: 5.309 min Scan# 1250
 Delta R.T. 0.000 min
 Lab File: VU056557.D
 Acq: 21 Nov 2023 17:33

Tgt Ion:	97	Resp:	294606
Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.6	77.4
61	41.4	34.3	51.5

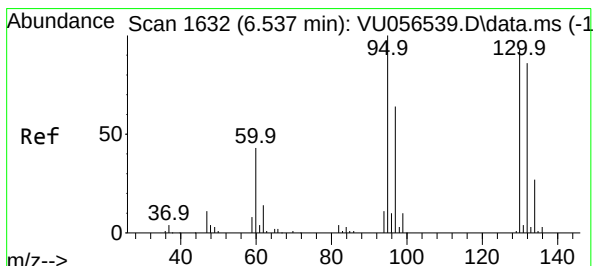
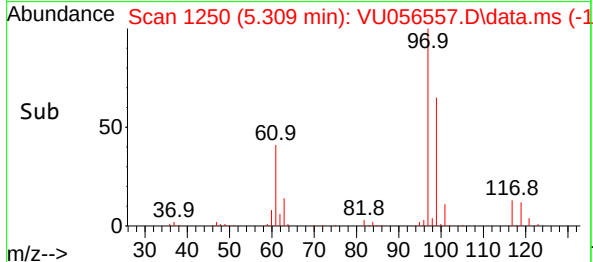
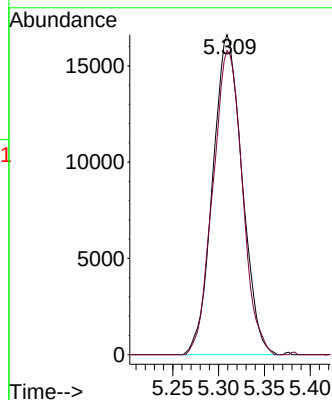
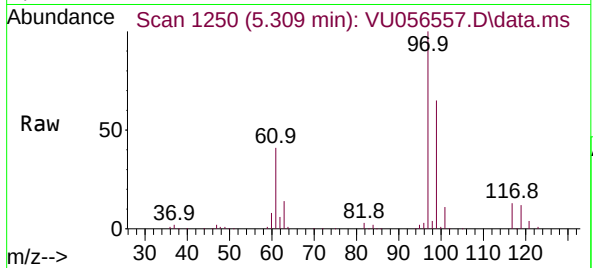




#31
Carbon tetrachloride
Concen: 1.167 ug/L
RT: 5.309 min Scan# 117
Delta R.T. -0.212 min
Lab File: VU056557.D
Acq: 21 Nov 2023 17:33

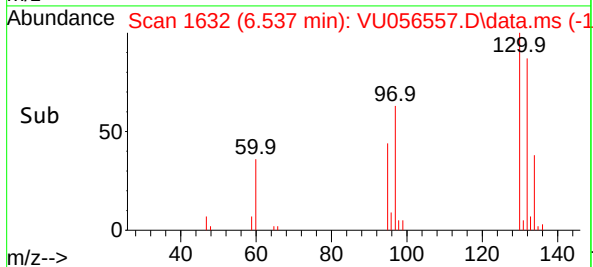
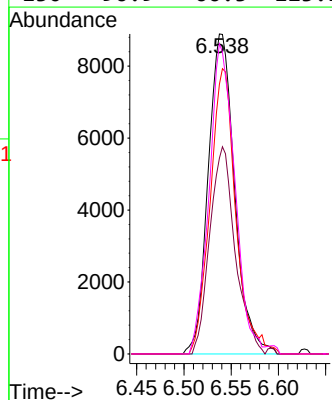
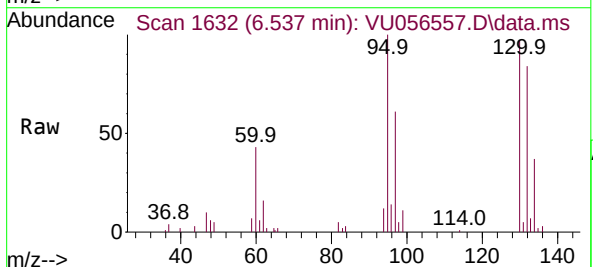
Instrument :
MSVOA_U
ClientSampleId :

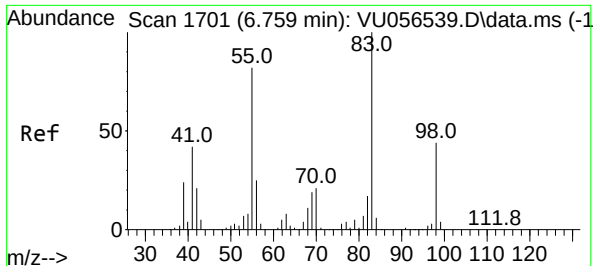
Tgt Ion:117 Resp: 36968
Ion Ratio Lower Upper
117 100
119 95.5 78.1 117.1



#34
Trichloroethene
Concen: 0.691 ug/L
RT: 6.537 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VU056557.D
Acq: 21 Nov 2023 17:33

Tgt Ion: 95 Resp: 17271
Ion Ratio Lower Upper
95 100
97 61.1 46.5 86.3
132 84.2 62.0 115.2
130 96.9 66.3 123.1

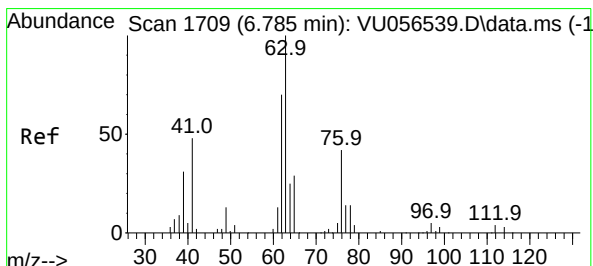
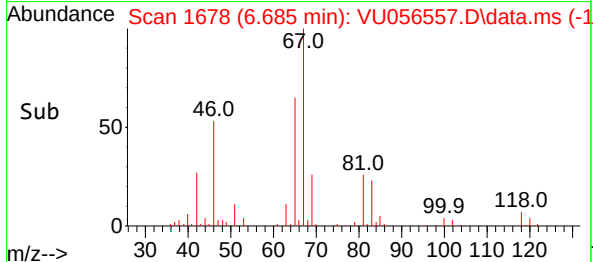
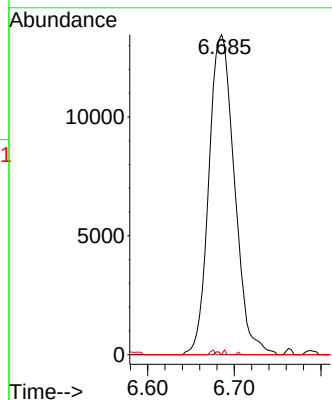
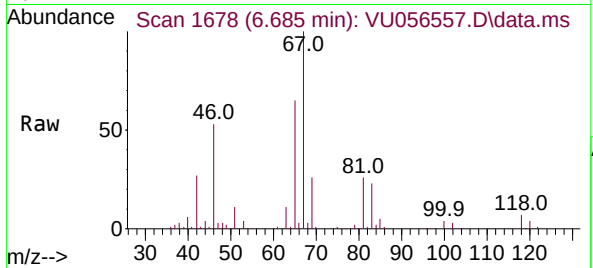




#35
Methylcyclohexane
Concen: 0.766 ug/L
RT: 6.685 min Scan# 1678
Delta R.T. -0.074 min
Lab File: VU056557.D
Acq: 21 Nov 2023 17:33

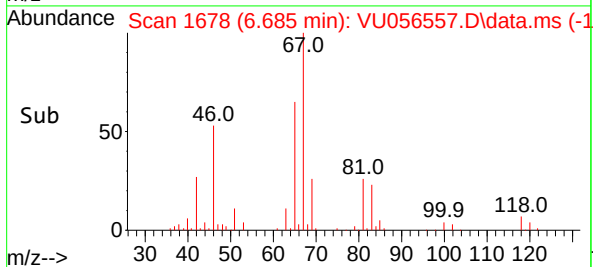
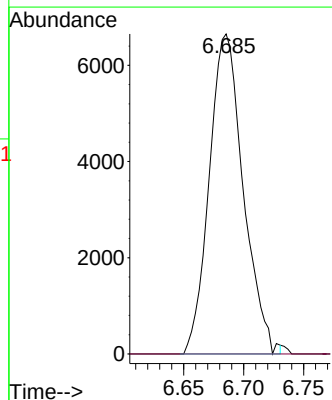
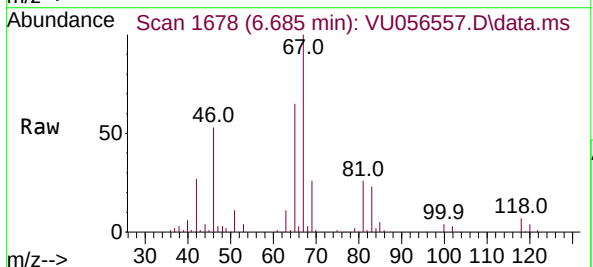
Instrument :
MSVOA_U
ClientSampleId :

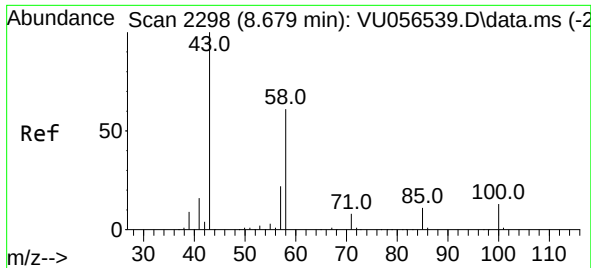
Tgt Ion: 83 Resp: 27639
Ion Ratio Lower Upper
83 100
55 0.0 62.9 94.3#
98 0.1 35.3 52.9#



#37
1,2-Dichloropropane
Concen: 0.550 ug/L
RT: 6.685 min Scan# 1678
Delta R.T. -0.100 min
Lab File: VU056557.D
Acq: 21 Nov 2023 17:33

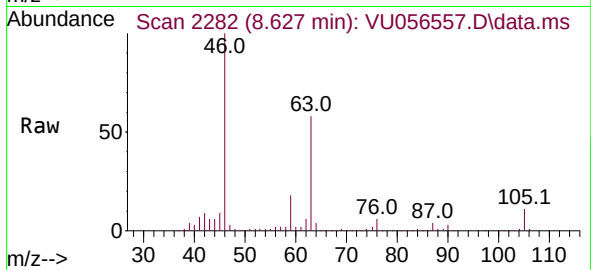
Tgt Ion: 63 Resp: 13140
Ion Ratio Lower Upper
63 100
112 0.1 3.2 4.8#



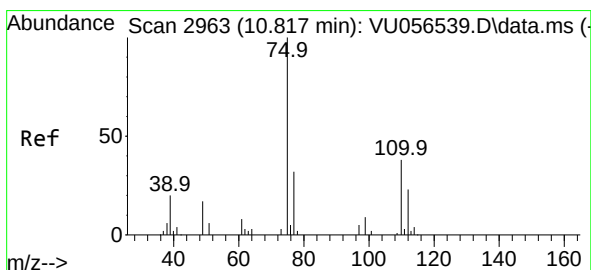
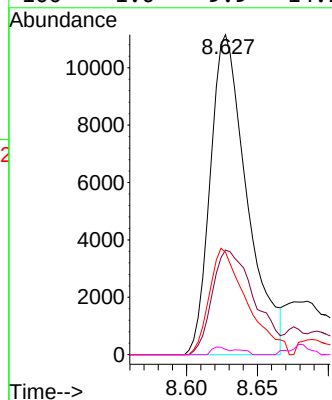
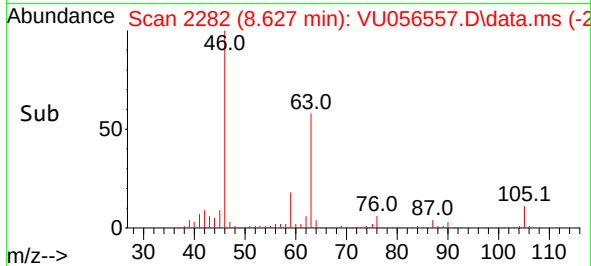


#48
2-Hexanone
Concen: 2.171 ug/L
RT: 8.627 min Scan# 21
Delta R.T. -0.051 min
Lab File: VU056557.D
Acq: 21 Nov 2023 17:33

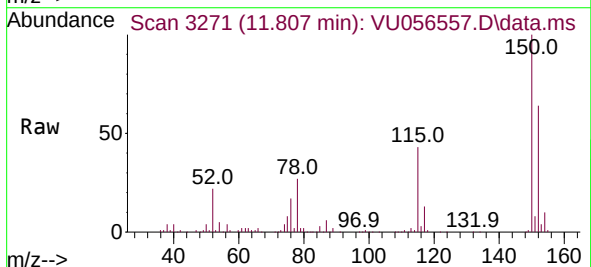
Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 43 Resp: 20046
Ion Ratio Lower Upper
43 100
58 37.9 48.7 73.1#
57 34.0 16.8 25.2#
100 1.0 9.9 14.9#



#61
1,2,3-Trichloropropane
Concen: 1.405 ug/L
RT: 11.807 min Scan# 3271
Delta R.T. 0.990 min
Lab File: VU056557.D
Acq: 21 Nov 2023 17:33



Tgt Ion: 75 Resp: 16572
Ion Ratio Lower Upper
75 100
110 2.6 30.4 45.6#
77 33.5 27.0 40.6

