

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112123\
 Data File : VU056560.D
 Acq On : 21 Nov 2023 18:46
 Operator : MD/SY
 Sample : 05441-06DL 10X
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 21 23:37:28 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)

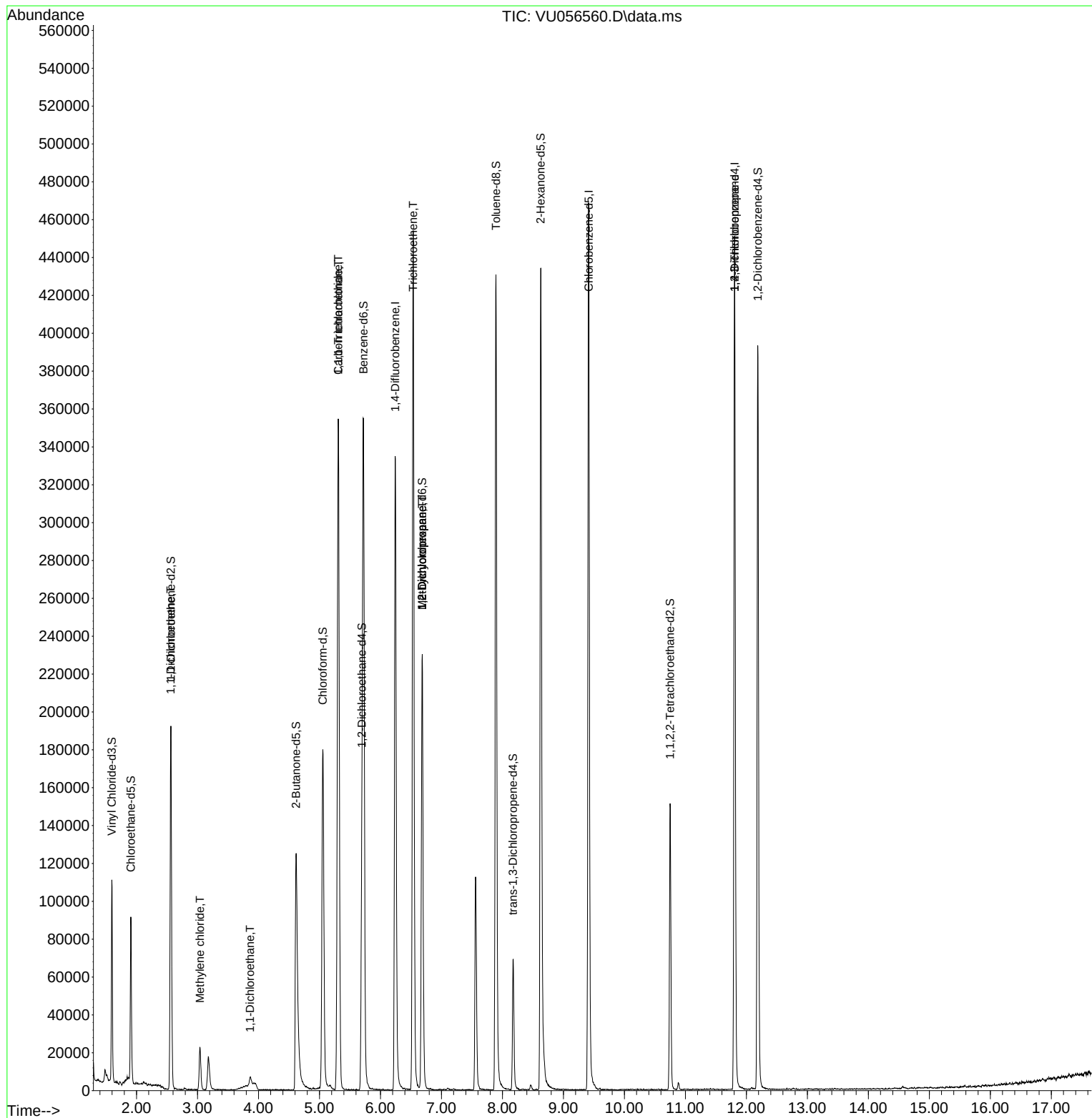
Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	275564	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	274266	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	121095	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	76110	3.693	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.800%
7) Chloroethane-d5	1.907	69	62433	3.951	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.000%
11) 1,1-Dichloroethene-d2	2.563	65	37048	4.073	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.400%
20) 2-Butanone-d5	4.618	46	188271	45.809	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.620%
24) Chloroform-d	5.055	84	174933	4.388	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.800%
26) 1,2-Dichloroethane-d4	5.695	65	90621	4.919	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.400%
32) Benzene-d6	5.721	84	344665	4.218	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.400%
36) 1,2-Dichloropropane-d6	6.685	67	113263	4.599	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.000%
41) Toluene-d8	7.894	98	302533	4.193	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.800%
43) trans-1,3-Dichloroprop...	8.174	79	41988	4.445	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.000%
46) 2-Hexanone-d5	8.627	63	154582	41.646	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	83.300%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	76805	4.364	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.200%
66) 1,2-Dichlorobenzene-d4	12.187	152	104886	4.689	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.800%
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.560	96	1996	0.118	ug/L #	1
16) Methylene chloride	3.039	84	11481	0.514	ug/L	89
19) 1,1-Dichloroethane	3.862	63	5110	0.149	ug/L	88
29) 1,1,1-Trichloroethane	5.309	97	265547	8.435	ug/L	99
31) Carbon tetrachloride	5.309	117	32965	1.219	ug/L	97
34) Trichloroethene	6.537	95	159989	7.503	ug/L	98
35) Methylcyclohexane	6.685	83	26642	0.865	ug/L #	25
37) 1,2-Dichloropropane	6.685	63	12419	0.609	ug/L #	89
61) 1,2,3-Trichloropropane	11.807	75	14843	1.429	ug/L #	67

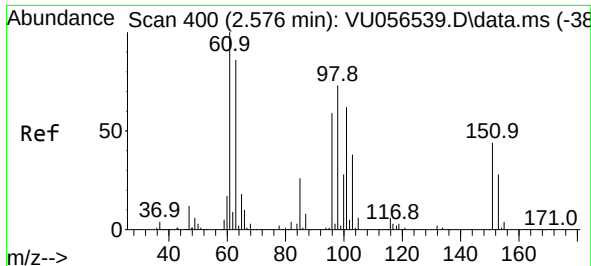
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.118 ug/L

RT: 2.560 min Scan# 395

Delta R.T. -0.016 min

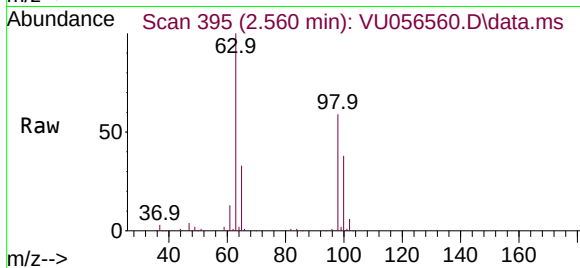
Lab File: VU056560.D

Acq: 21 Nov 2023 18:46

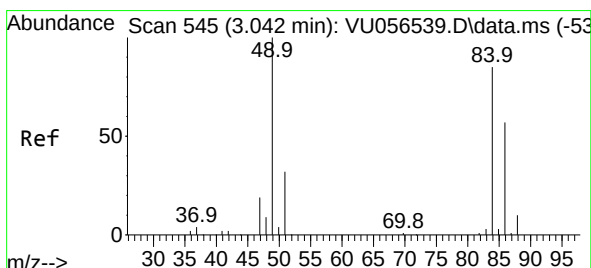
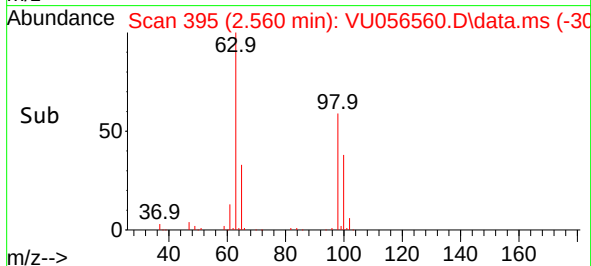
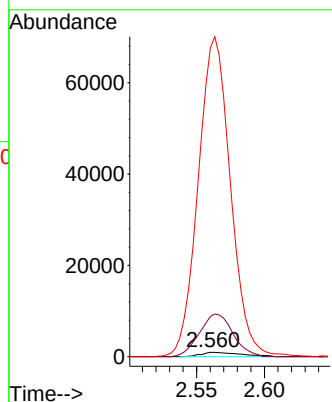
Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:	96	Resp:	1996
Ion	Ratio	Lower	Upper
96	100		
61	926.3	123.1	228.7#
63	7108.4	93.3	173.3#



#16

Methylene chloride

Concen: 0.514 ug/L

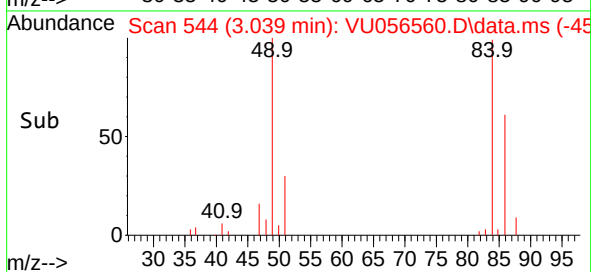
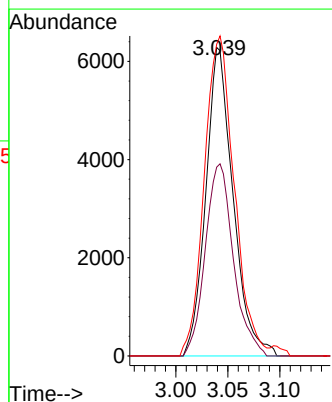
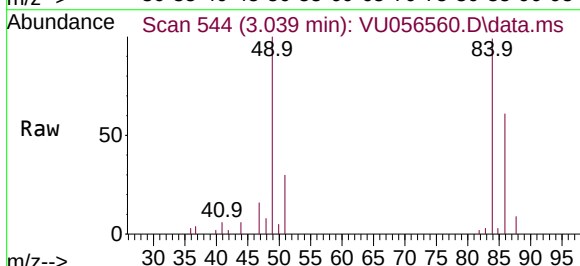
RT: 3.039 min Scan# 544

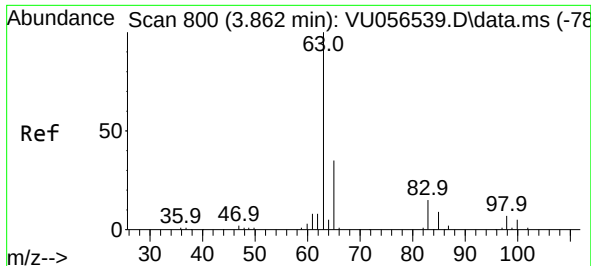
Delta R.T. -0.003 min

Lab File: VU056560.D

Acq: 21 Nov 2023 18:46

Tgt Ion:	84	Resp:	11481
Ion	Ratio	Lower	Upper
84	100		
86	61.2	44.7	83.1
49	101.1	81.8	152.0





#19

1,1-Dichloroethane

Concen: 0.149 ug/L

RT: 3.862 min Scan# 800

Delta R.T. 0.000 min

Lab File: VU056560.D

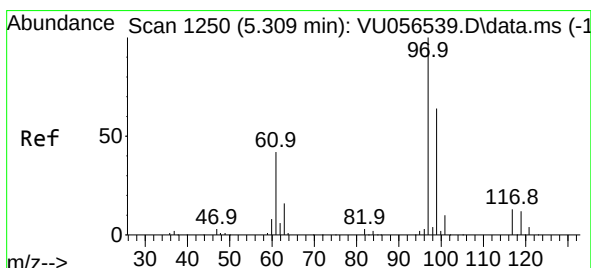
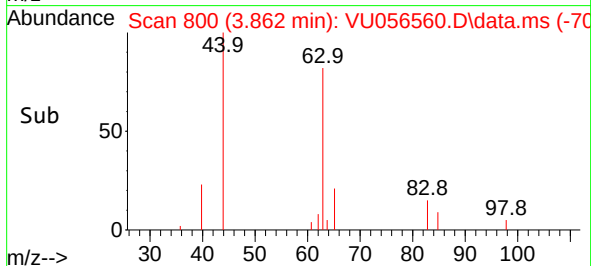
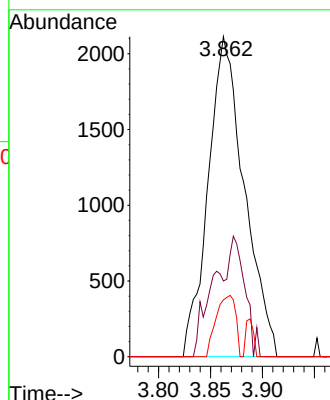
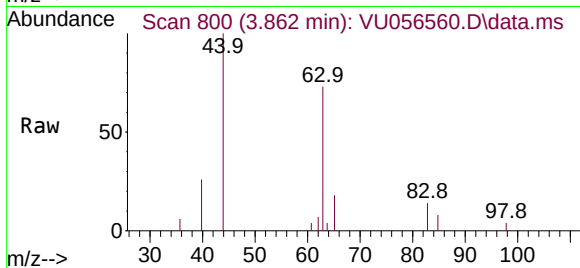
Acq: 21 Nov 2023 18:46

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 63	Resp: 5110
Ion Ratio	Lower Upper
63 100	
65 23.7	21.8 40.6
83 17.7	9.7 17.9



#29

1,1,1-Trichloroethane

Concen: 8.435 ug/L

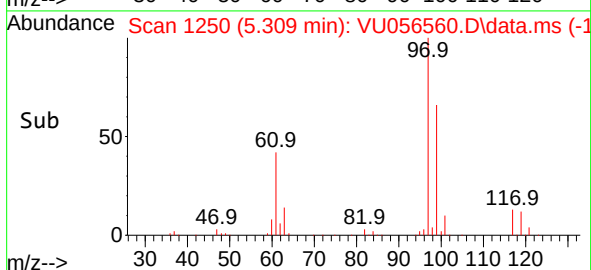
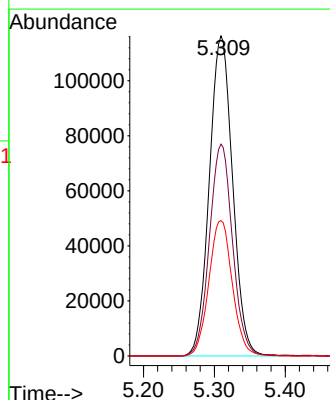
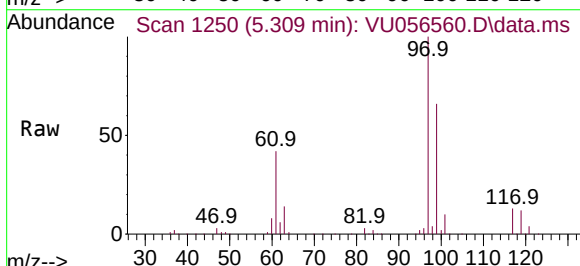
RT: 5.309 min Scan# 1250

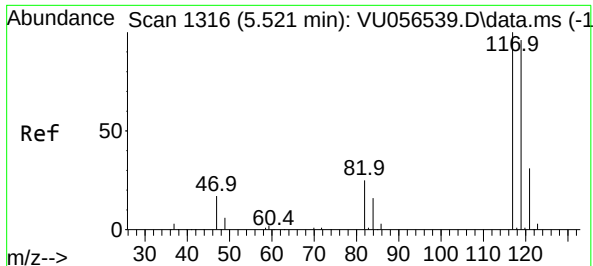
Delta R.T. 0.000 min

Lab File: VU056560.D

Acq: 21 Nov 2023 18:46

Tgt Ion: 97	Resp: 265547
Ion Ratio	Lower Upper
97 100	
99 65.8	51.6 77.4
61 42.6	34.3 51.5

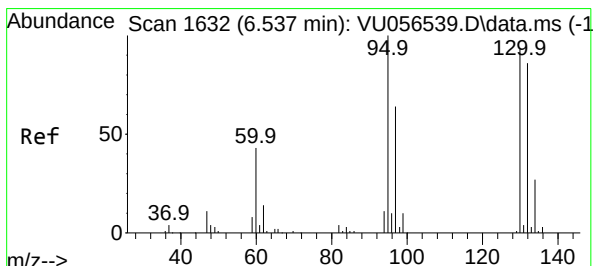
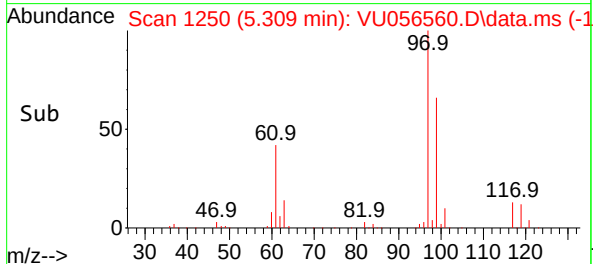
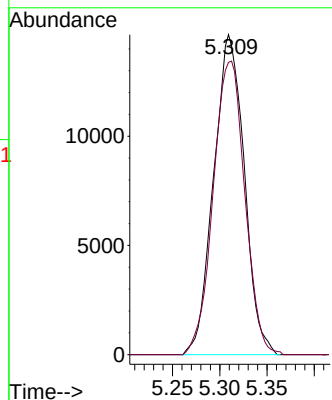
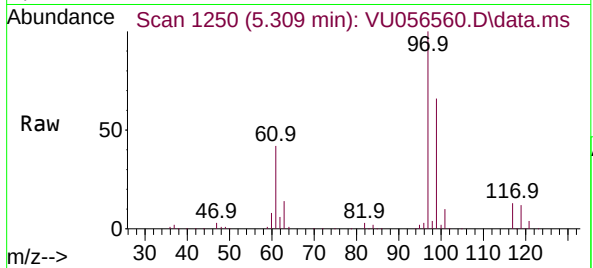




#31
Carbon tetrachloride
Concen: 1.219 ug/L
RT: 5.309 min Scan# 117
Delta R.T. -0.212 min
Lab File: VU056560.D
Acq: 21 Nov 2023 18:46

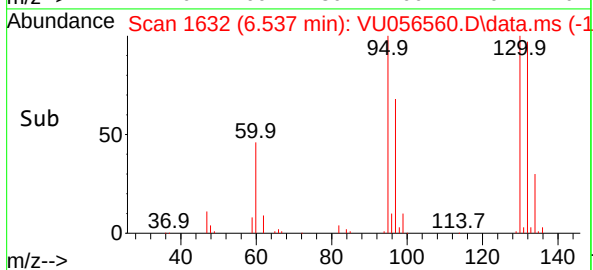
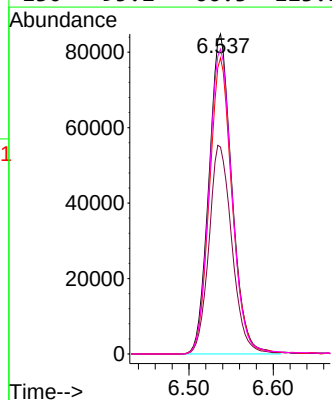
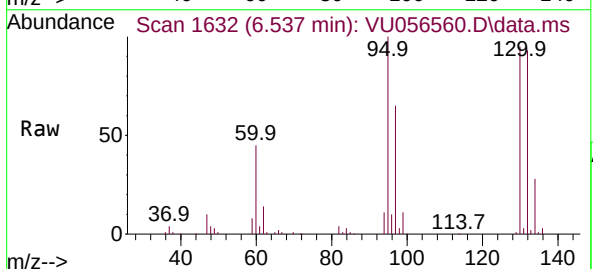
Instrument :
MSVOA_U
ClientSampleId :

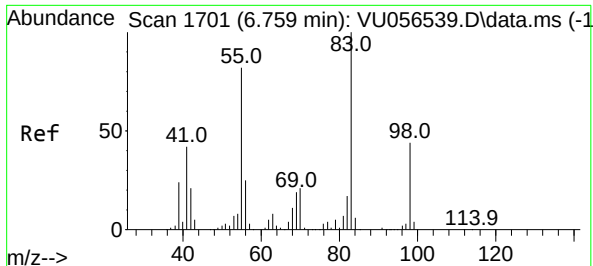
Tgt Ion:117 Resp: 32965
Ion Ratio Lower Upper
117 100
119 94.8 78.1 117.1



#34
Trichloroethene
Concen: 7.503 ug/L
RT: 6.537 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VU056560.D
Acq: 21 Nov 2023 18:46

Tgt Ion: 95 Resp: 159989
Ion Ratio Lower Upper
95 100
97 64.6 46.5 86.3
132 92.5 62.0 115.2
130 95.2 66.3 123.1

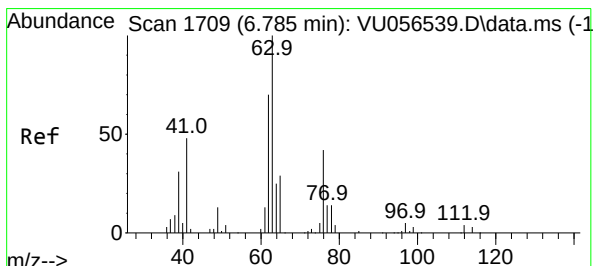
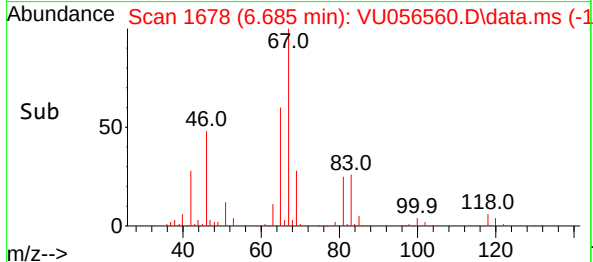
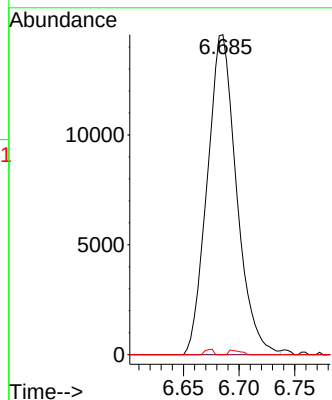
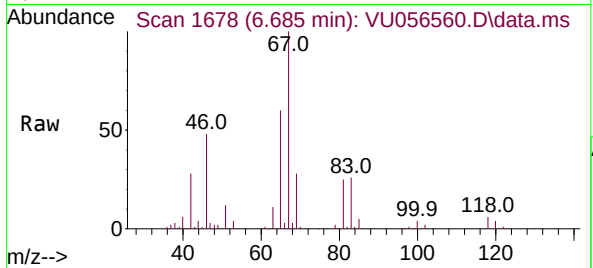




#35
Methylcyclohexane
Concen: 0.865 ug/L
RT: 6.685 min Scan# 1678
Delta R.T. -0.074 min
Lab File: VU056560.D
Acq: 21 Nov 2023 18:46

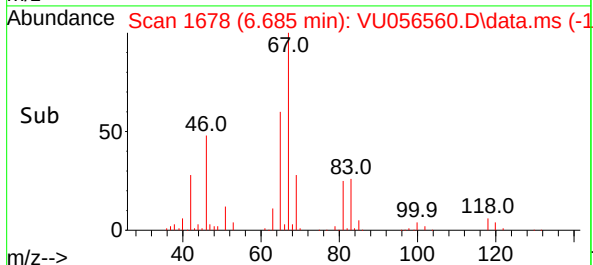
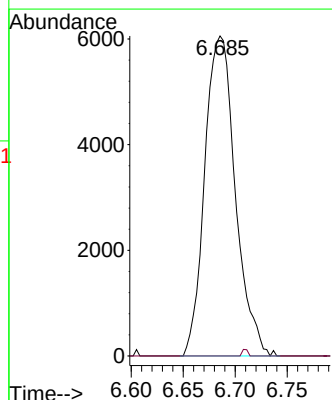
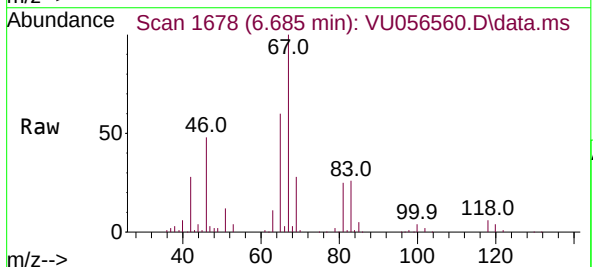
Instrument :
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ClientSampleId :

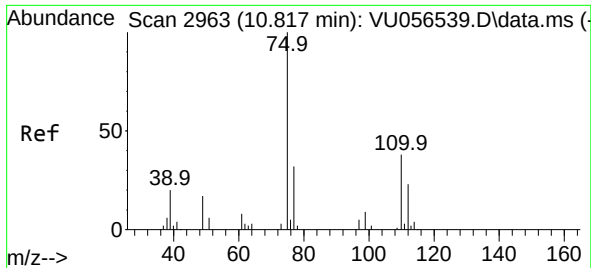
Tgt Ion: 83 Resp: 26642
Ion Ratio Lower Upper
83 100
55 0.0 62.9 94.3#
98 12.1 35.3 52.9#



#37
1,2-Dichloropropane
Concen: 0.609 ug/L
RT: 6.685 min Scan# 1678
Delta R.T. -0.100 min
Lab File: VU056560.D
Acq: 21 Nov 2023 18:46

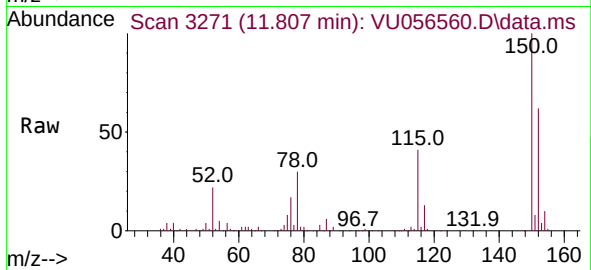
Tgt Ion: 63 Resp: 12419
Ion Ratio Lower Upper
63 100
112 0.4 3.2 4.8#





#61
1,2,3-Trichloropropane
Concen: 1.429 ug/L
RT: 11.807 min Scan# 31
Delta R.T. 0.990 min
Lab File: VU056560.D
Acq: 21 Nov 2023 18:46

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
110	1.3	30.4	45.6#
77	32.7	27.0	40.6

