

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111723\
 Data File : VU056462.D
 Acq On : 18 Nov 2023 00:20
 Operator : MD/SY
 Sample : 05441-14
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0QH4

Quant Time: Nov 19 01:24:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Nov 18 00:12:04 2023
 Response via : Initial Calibration

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

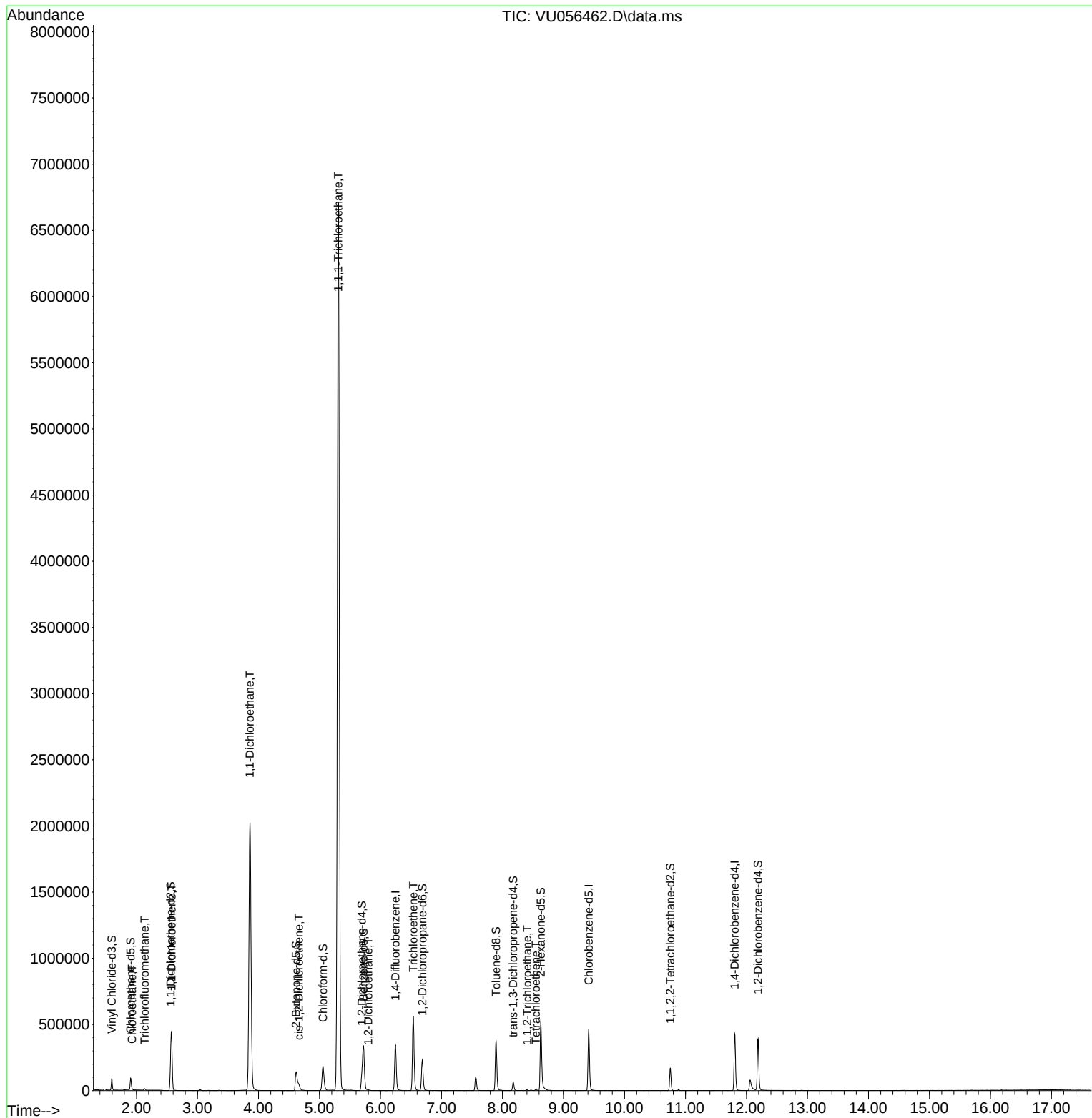
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	283111	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	267367	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	114157	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	62764	2.964	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	59.200%
7) Chloroethane-d5	1.904	69	66798	4.114	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.200%
11) 1,1-Dichloroethene-d2	2.560	65	30390	3.252	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.000%
20) 2-Butanone-d5	4.615	46	219540	51.993	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.980%
24) Chloroform-d	5.055	84	175520	4.285	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.800%
26) 1,2-Dichloroethane-d4	5.695	65	87318	4.614	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.200%
32) Benzene-d6	5.721	84	323738	4.064	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.200%
36) 1,2-Dichloropropane-d6	6.685	67	110793	4.615	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.200%
41) Toluene-d8	7.894	98	261916	3.723	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.400%
43) trans-1,3-Dichloroprop...	8.177	79	37410	4.063	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.200%
46) 2-Hexanone-d5	8.627	63	176671	48.825	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.640%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	86786	5.059	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.200%
66) 1,2-Dichlorobenzene-d4	12.190	152	106719	5.060	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.200%
Target Compounds						Qvalue
8) Chloroethane	1.927	64	5209	0.386	ug/L	89
9) Trichlorofluoromethane	2.133	101	6973	0.219	ug/L	94
12) 1,1-Dichloroethene	2.576	96	124095	7.160	ug/L #	75
19) 1,1-Dichloroethane	3.859	63	2357704	66.749	ug/L	98
22) cis-1,2-Dichloroethene	4.663	96	15521	0.768	ug/L	92
27) 1,2-Dichloroethane	5.798	62	4009	0.185	ug/L #	87
29) 1,1,1-Trichloroethane	5.309	97	5049470	164.528	ug/L	99
34) Trichloroethene	6.537	95	201497	9.694	ug/L	99
45) 1,1,2-Trichloroethane	8.406	97	2531	0.191	ug/L	93
47) Tetrachloroethene	8.547	164	2888	0.206	ug/L	89

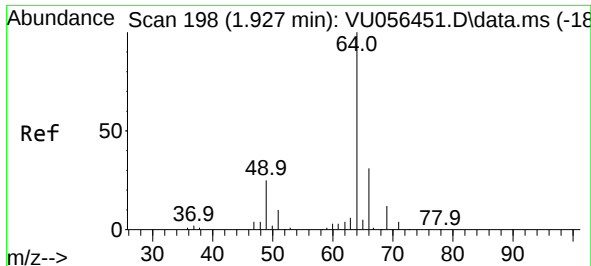
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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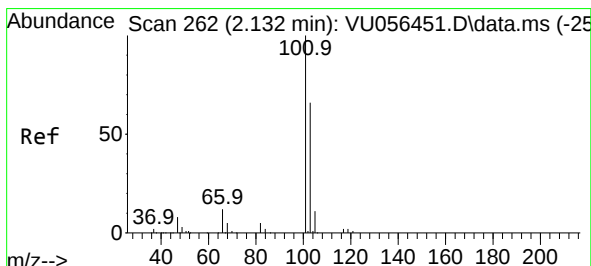
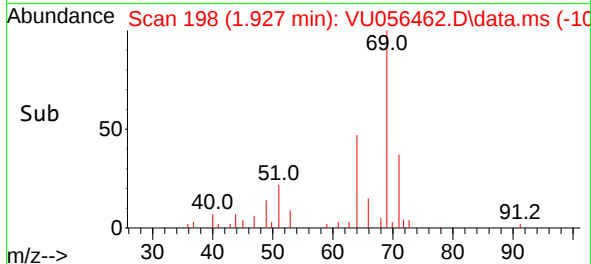
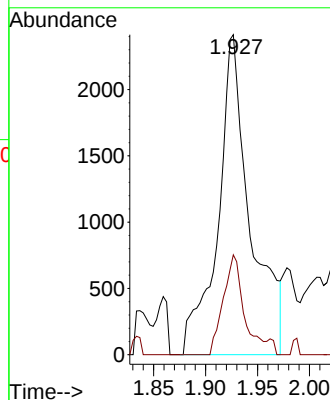
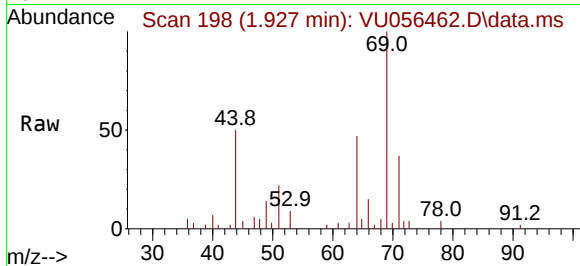




#8
Chloroethane
Concen: 0.386 ug/L
RT: 1.927 min Scan# 198
Delta R.T. 0.000 min
Lab File: VU056462.D
Acq: 18 Nov 2023 00:20

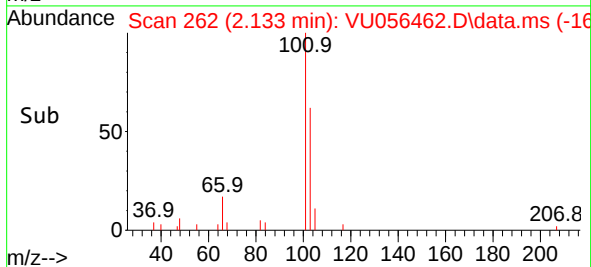
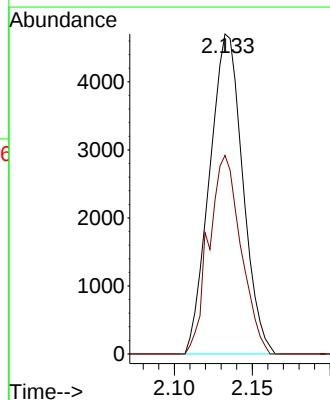
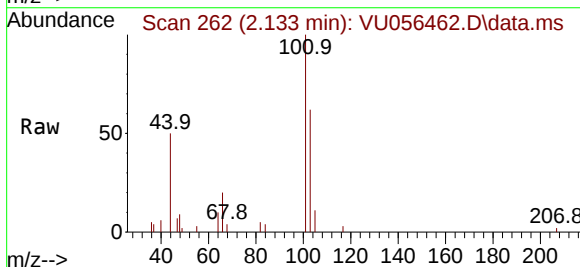
Instrument :
MSVOA_U
ClientSampleId :
C0QH4

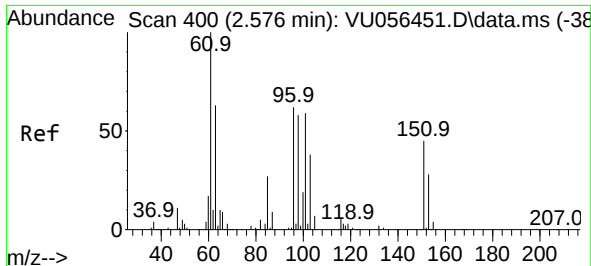
Tgt Ion: 64 Resp: 5209
Ion Ratio Lower Upper
64 100
66 28.0 23.9 44.5



#9
Trichlorofluoromethane
Concen: 0.219 ug/L
RT: 2.133 min Scan# 262
Delta R.T. 0.000 min
Lab File: VU056462.D
Acq: 18 Nov 2023 00:20

Tgt Ion: 101 Resp: 6973
Ion Ratio Lower Upper
101 100
103 60.1 52.0 78.0

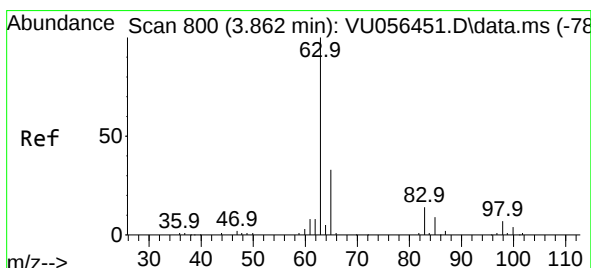
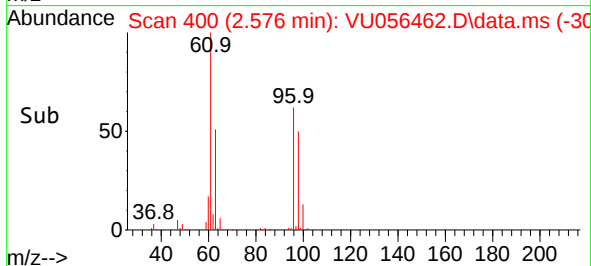
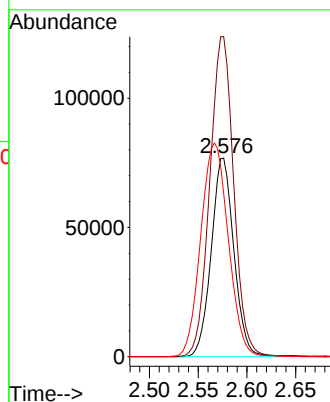
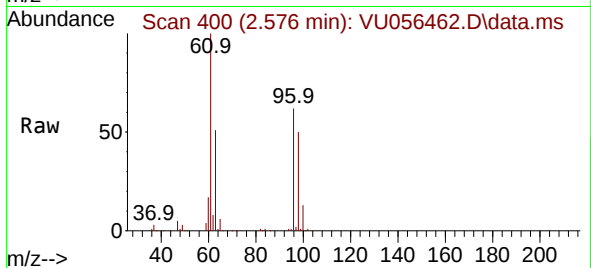




#12
 1,1-Dichloroethene
 Concen: 7.160 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU056462.D
 Acq: 18 Nov 2023 00:20

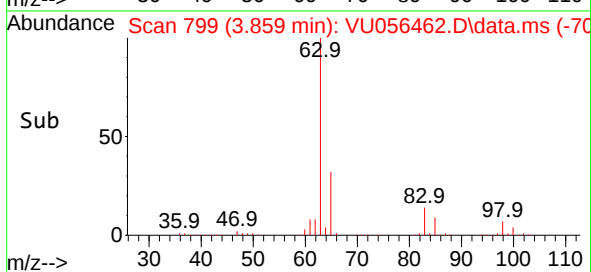
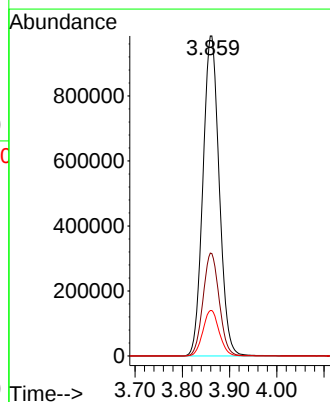
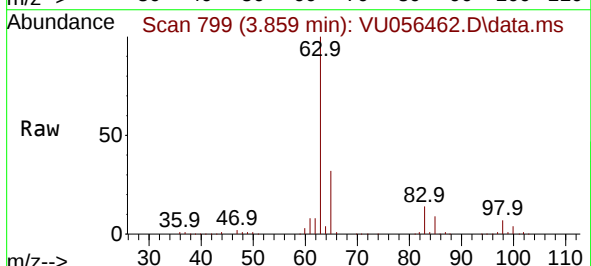
Instrument :
 MSVOA_U
 ClientSampleId :
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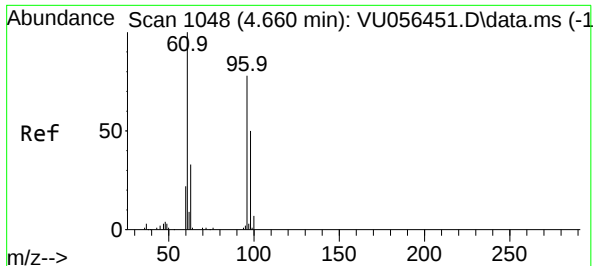
Tgt Ion: 96 Resp: 124095
 Ion Ratio Lower Upper
 96 100
 61 161.2 123.1 228.7
 63 82.1 93.3 173.3#



#19
 1,1-Dichloroethane
 Concen: 66.749 ug/L
 RT: 3.859 min Scan# 799
 Delta R.T. -0.003 min
 Lab File: VU056462.D
 Acq: 18 Nov 2023 00:20

Tgt Ion: 63 Resp: 2357704
 Ion Ratio Lower Upper
 63 100
 65 32.2 21.8 40.6
 83 14.2 9.7 17.9





#22

cis-1,2-Dichloroethene

Concen: 0.768 ug/L

RT: 4.663 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU056462.D

Acq: 18 Nov 2023 00:20

Instrument :

MSVOA_U

ClientSampleId :

C0QH4

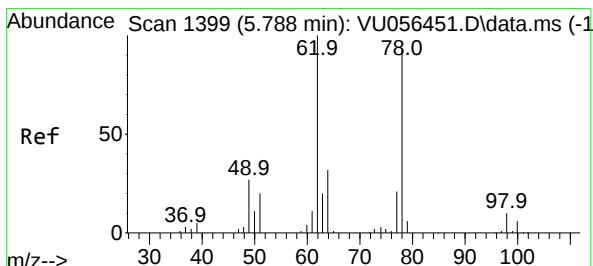
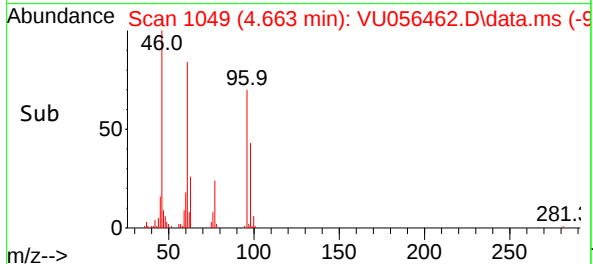
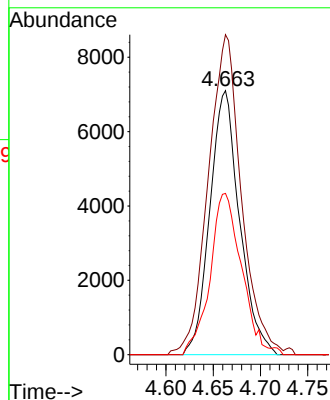
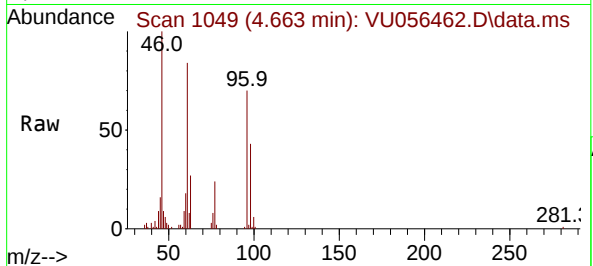
Tgt Ion: 96 Resp: 15521

Ion Ratio Lower Upper

96 100

61 121.2 93.2 173.2

98 61.1 44.8 83.2



#27

1,2-Dichloroethane

Concen: 0.185 ug/L

RT: 5.798 min Scan# 1402

Delta R.T. 0.010 min

Lab File: VU056462.D

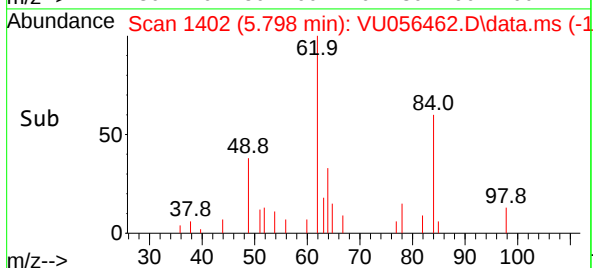
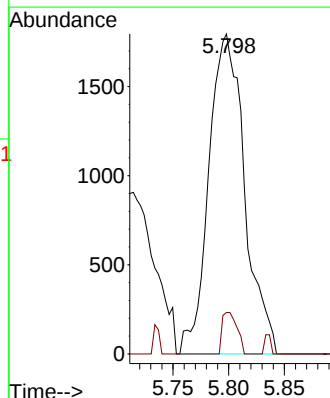
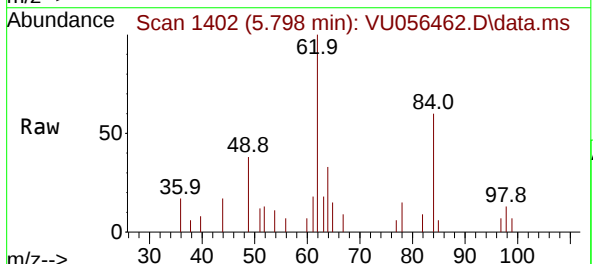
Acq: 18 Nov 2023 00:20

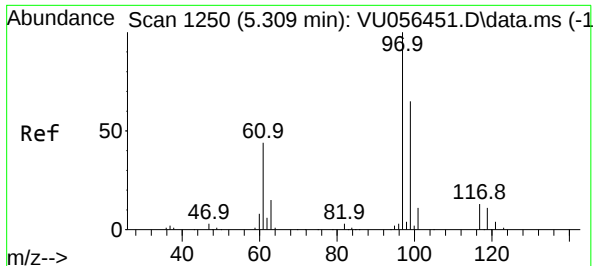
Tgt Ion: 62 Resp: 4009

Ion Ratio Lower Upper

62 100

98 12.9 6.6 10.0#

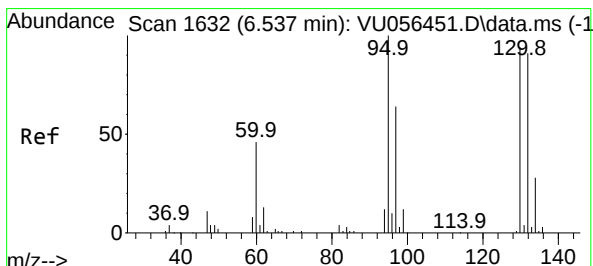
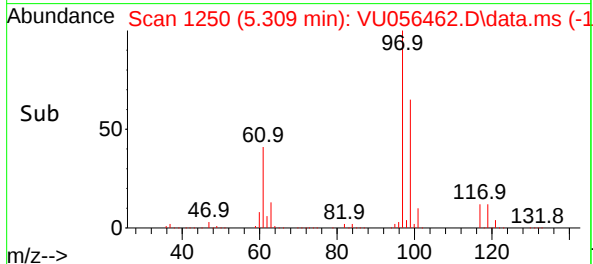
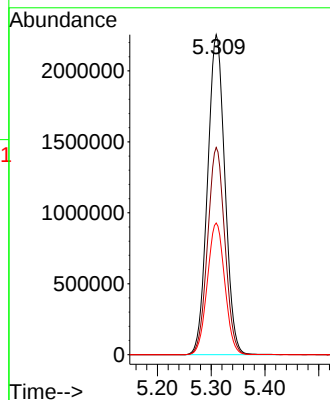
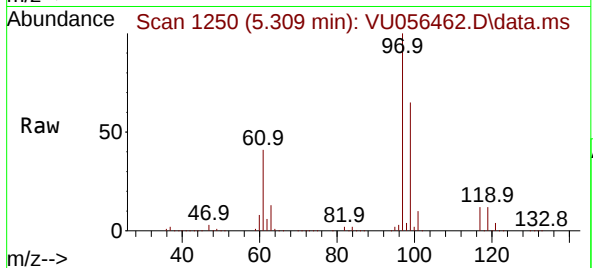




#29
1,1,1-Trichloroethane
Concen: 164.528 ug/L
RT: 5.309 min Scan# 1250
Delta R.T. 0.000 min
Lab File: VU056462.D
Acq: 18 Nov 2023 00:20

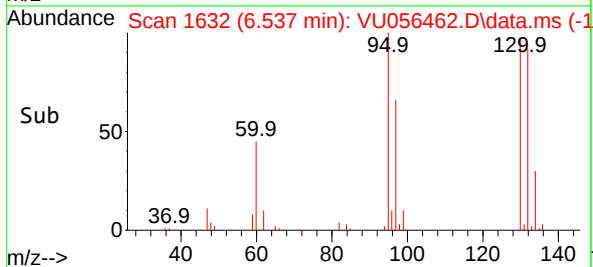
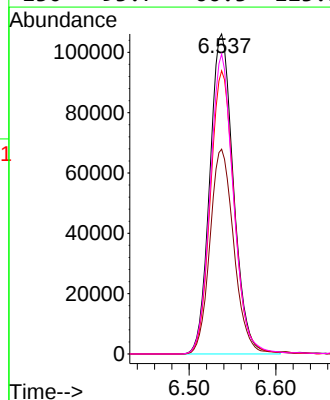
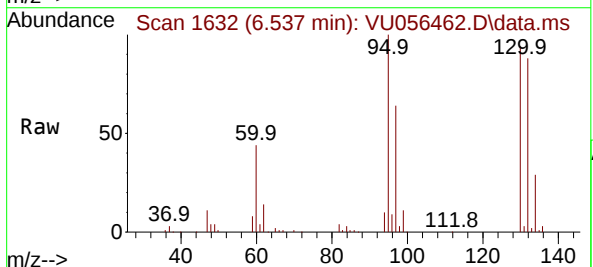
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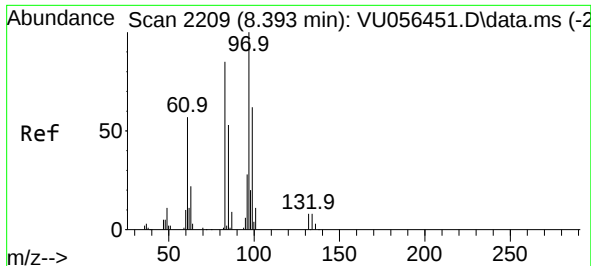
Tgt Ion: 97 Resp: 5049470
Ion Ratio Lower Upper
97 100
99 64.5 51.6 77.4
61 41.4 34.3 51.5



#34
Trichloroethene
Concen: 9.694 ug/L
RT: 6.537 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VU056462.D
Acq: 18 Nov 2023 00:20

Tgt Ion: 95 Resp: 201497
Ion Ratio Lower Upper
95 100
97 64.0 46.5 86.3
132 88.5 62.0 115.2
130 93.7 66.3 123.1

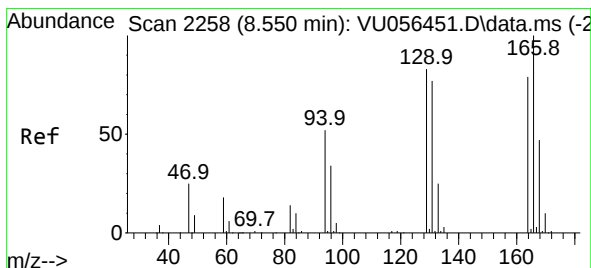
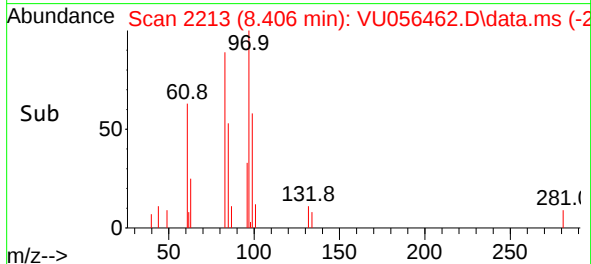
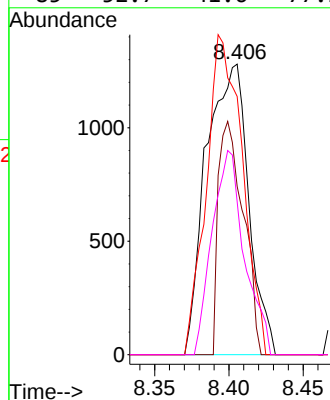
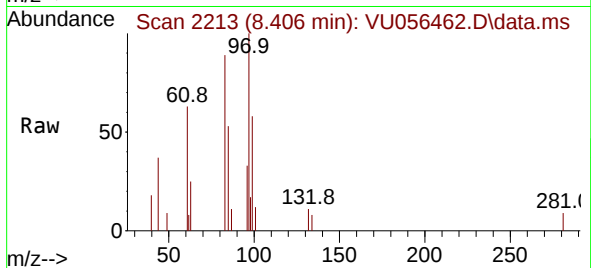




#45
1,1,2-Trichloroethane
Concen: 0.191 ug/L
RT: 8.406 min Scan# 21
Delta R.T. 0.013 min
Lab File: VU056462.D
Acq: 18 Nov 2023 00:20

Instrument :
MSVOA_U
ClientSampleId :
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Tgt Ion: 97	Resp: 2531
Ion Ratio	Lower Upper
97 100	
99 58.0	44.3 82.3
83 88.9	65.4 121.4
85 52.7	41.6 77.3



#47
Tetrachloroethene
Concen: 0.206 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.003 min
Lab File: VU056462.D
Acq: 18 Nov 2023 00:20

Tgt Ion:164	Resp: 2888
Ion Ratio	Lower Upper
164 100	
129 96.8	71.0 131.9
131 100.3	70.3 130.7
166 99.7	89.8 166.8

