

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112222\
 Data File : VU052082.D
 Acq On : 23 Nov 2022 10:37
 Operator : JC/MD
 Sample : N5760-05
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 24 08:58:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 24 05:20:45 2022
 Response via : Initial Calibration

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

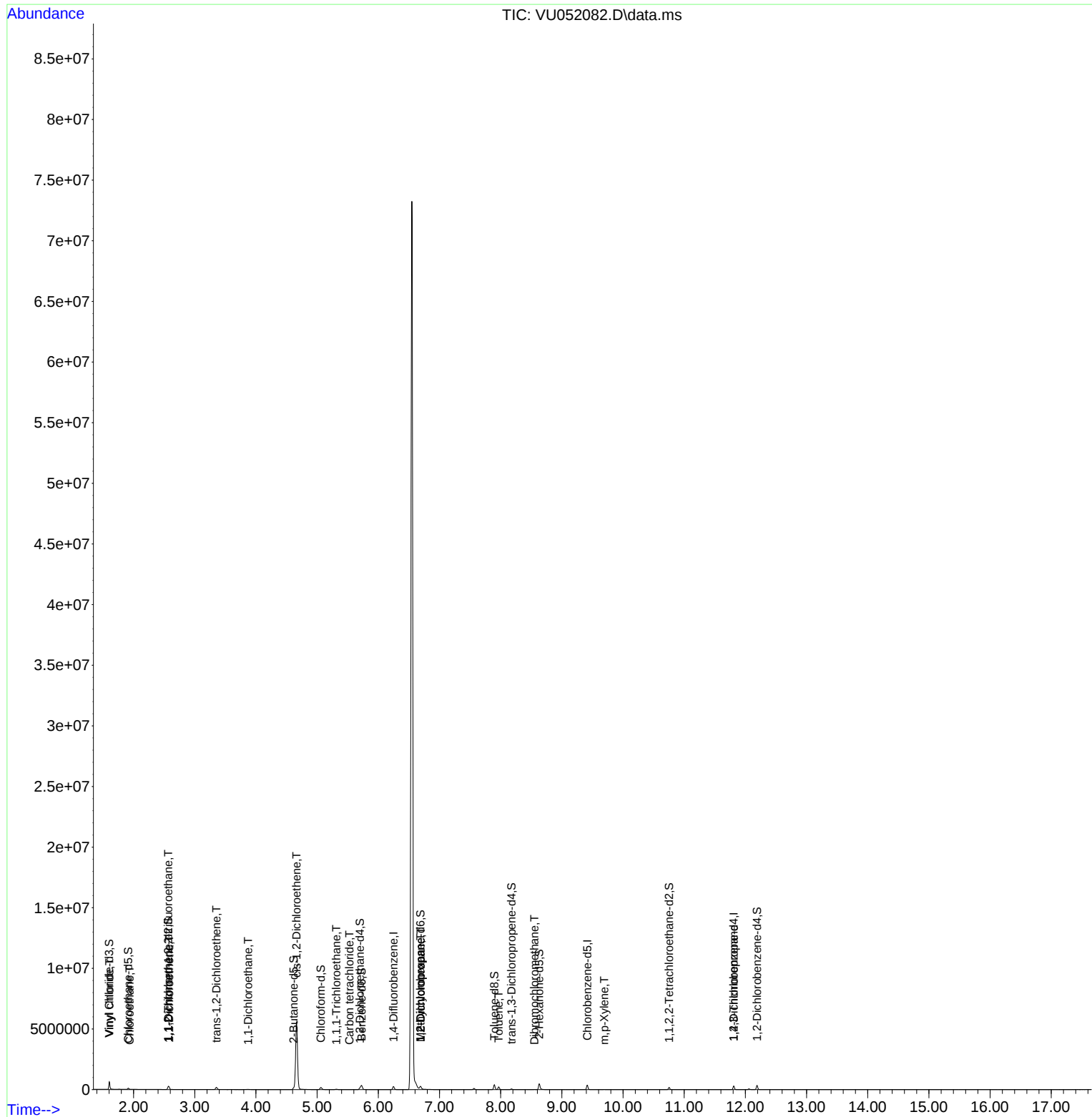
Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	216051	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	218882	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	82163	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	98922	4.707	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.200%
7) Chloroethane-d5	1.912	69	80551	4.935	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.600%
11) 1,1-Dichloroethene-d2	2.568	65	34766	4.615	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	92.400%
20) 2-Butanone-d5	4.616	46	211121	55.423	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.840%
24) Chloroform-d	5.060	84	167088	5.411	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.200%
26) 1,2-Dichloroethane-d4	5.700	65	84475	5.416	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.400%
32) Benzene-d6	5.726	84	344225	5.297	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.000%
36) 1,2-Dichloropropane-d6	6.690	67	109831	5.461	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.200%
41) Toluene-d8	7.896	98	273702	4.655	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.200%
43) trans-1,3-Dichloroprop...	8.179	79	37252	5.083	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.600%
46) 2-Hexanone-d5	8.629	63	165003	53.129	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.260%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	94855	5.440	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.800%
66) 1,2-Dichlorobenzene-d4	12.192	152	99652	6.335	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	126.600%#
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.604	62	383058	16.303	ug/L	98
8) Chloroethane	1.935	64	2262	0.155	ug/L #	83
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	1763	0.112	ug/L #	33
12) 1,1-Dichloroethene	2.581	96	47841	3.052	ug/L	95
18) trans-1,2-Dichloroethene	3.353	96	79521	4.733	ug/L	95
19) 1,1-Dichloroethane	3.870	63	3298	0.109	ug/L #	93
22) cis-1,2-Dichloroethene	4.665	96	3025811	171.608	ug/L	98
29) 1,1,1-Trichloroethane	5.314	97	23354	0.962	ug/L	97
31) Carbon tetrachloride	5.530	117	1511	0.073	ug/L	84
35) Methylcyclohexane	6.690	83	24258	0.949	ug/L #	19
37) 1,2-Dichloropropane	6.694	63	10086	0.547	ug/L #	88
42) Toluene	7.967	91	172642	2.356	ug/L	98
49) Dibromochloromethane	8.552	129	1859	0.120	ug/L #	12
53) m,p-Xylene	9.693	106	3590	0.130	ug/L	96
61) 1,2,3-Trichloropropane	11.809	75	10542	1.121	ug/L #	68

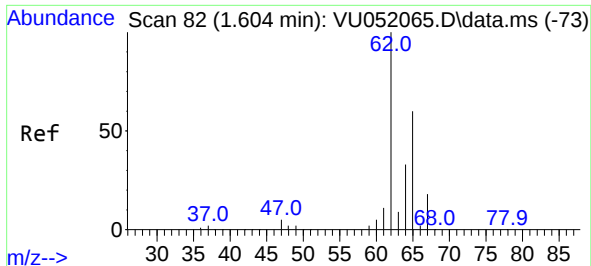
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 25.0mL/MSVOA_U/WATER
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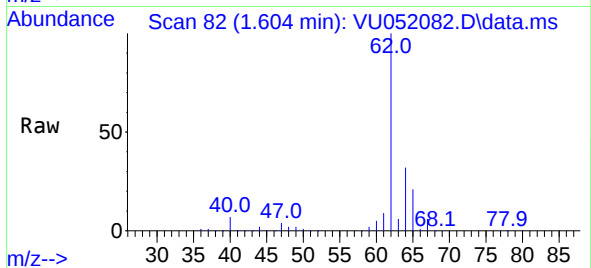
Quant Time: Nov 24 08:58:03 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111822WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Thu Nov 24 05:20:45 2022
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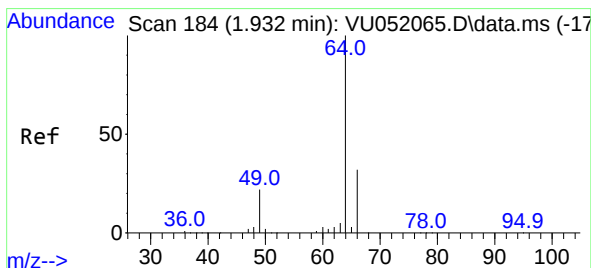
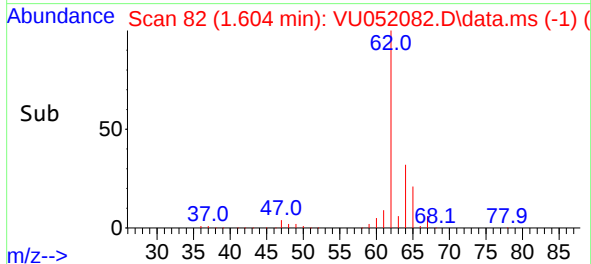
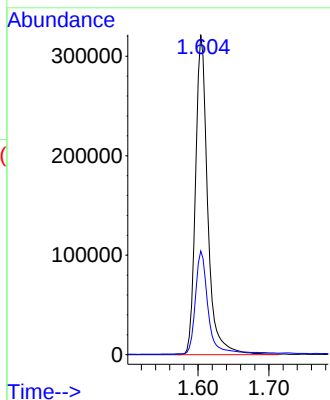


#5
 Vinyl chloride
 Concen: 16.303 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU052082.D
 Acq: 23 Nov 2022 10:37

Instrument :
 MSVOA_U
 ClientSampleId :

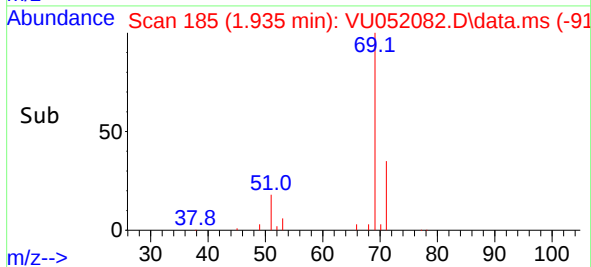
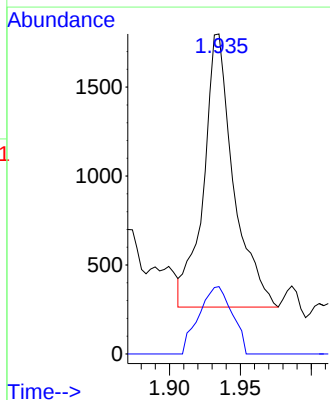
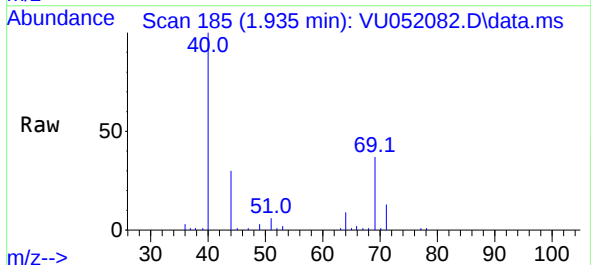


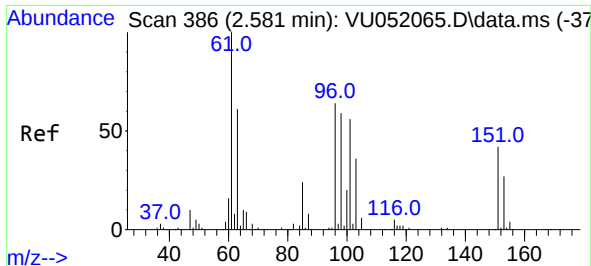
Tgt Ion: 62 Resp: 383058
 Ion Ratio Lower Upper
 62 100
 64 32.4 23.5 43.7



#8
 Chloroethane
 Concen: 0.155 ug/L
 RT: 1.935 min Scan# 185
 Delta R.T. 0.003 min
 Lab File: VU052082.D
 Acq: 23 Nov 2022 10:37

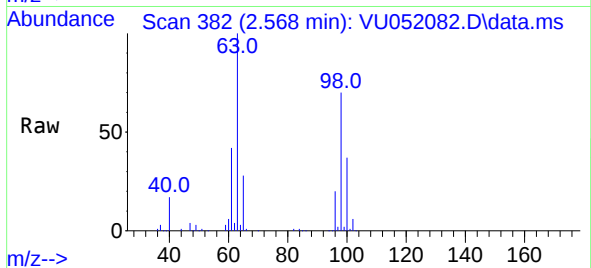
Tgt Ion: 64 Resp: 2262
 Ion Ratio Lower Upper
 64 100
 66 21.1 21.1 39.1#



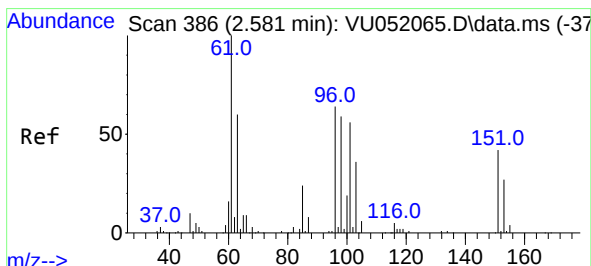
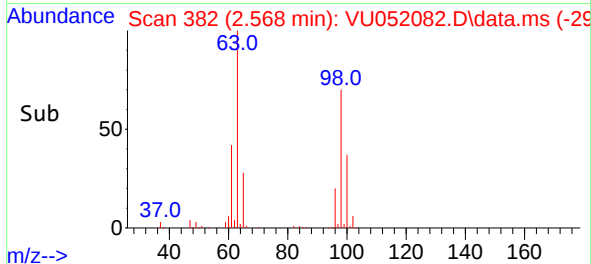
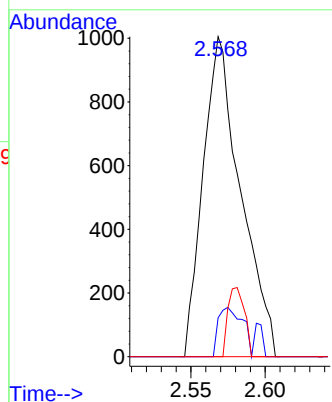


#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.112 ug/L
RT: 2.568 min Scan# 382
Delta R.T. -0.013 min
Lab File: VU052082.D
Acq: 23 Nov 2022 10:37

Instrument :
MSVOA_U
ClientSampleId :

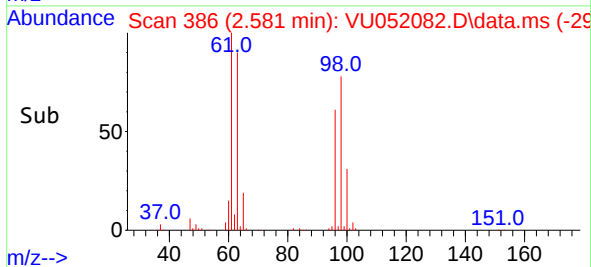
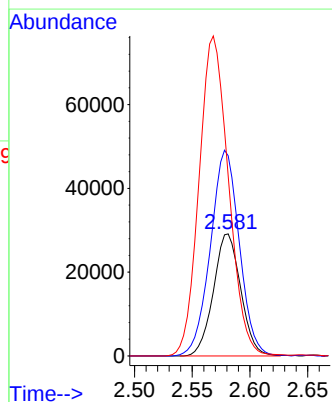
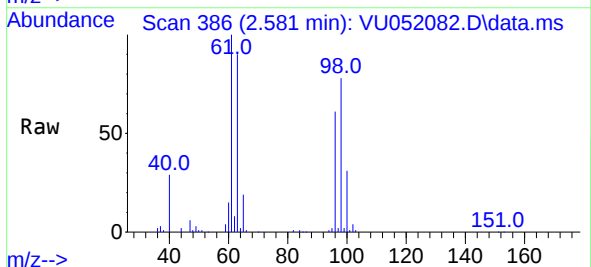


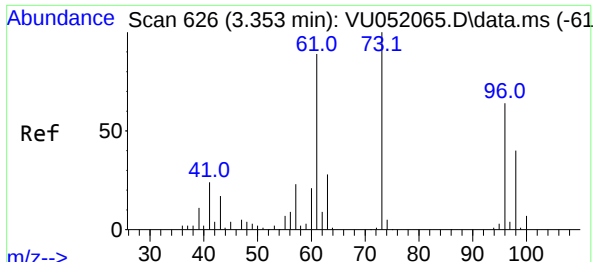
Tgt Ion:101 Resp: 1763
Ion Ratio Lower Upper
101 100
85 9.9 33.8 50.6#
151 9.5 58.6 88.0#



#12
1,1-Dichloroethene
Concen: 3.052 ug/L
RT: 2.581 min Scan# 386
Delta R.T. 0.003 min
Lab File: VU052082.D
Acq: 23 Nov 2022 10:37

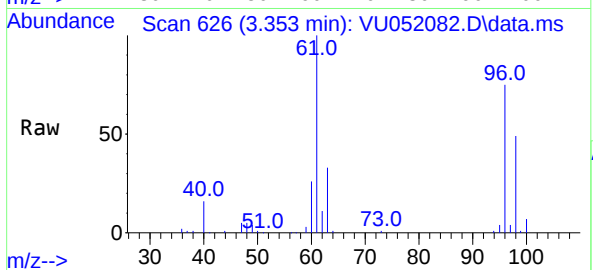
Tgt Ion: 96 Resp: 47841
Ion Ratio Lower Upper
96 100
61 163.9 114.8 213.2
63 147.2 93.7 174.1



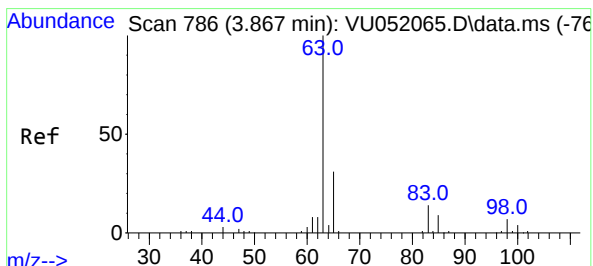
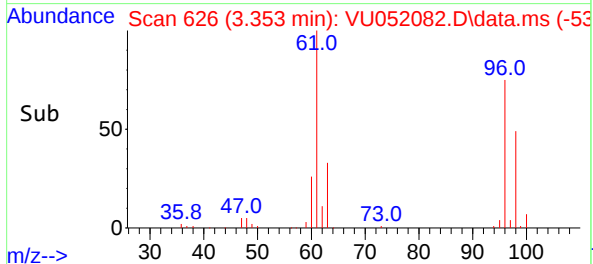
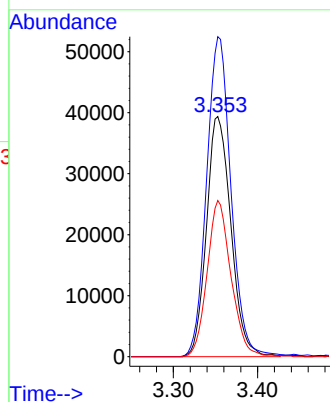


#18
trans-1,2-Dichloroethene
Concen: 4.733 ug/L
RT: 3.353 min Scan# 61
Delta R.T. -0.000 min
Lab File: VU052082.D
Acq: 23 Nov 2022 10:37

Instrument :
MSVOA_U
ClientSampleId :

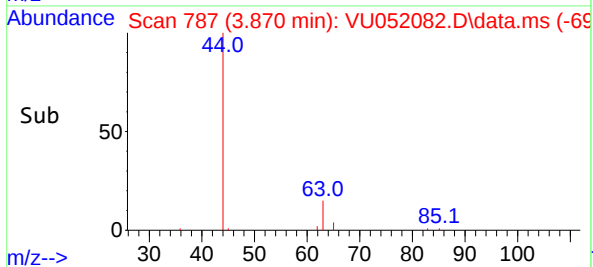
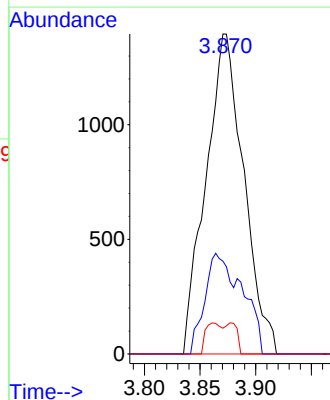
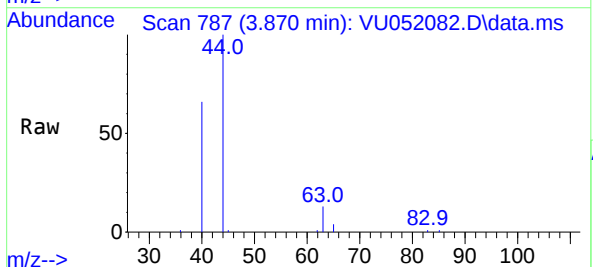


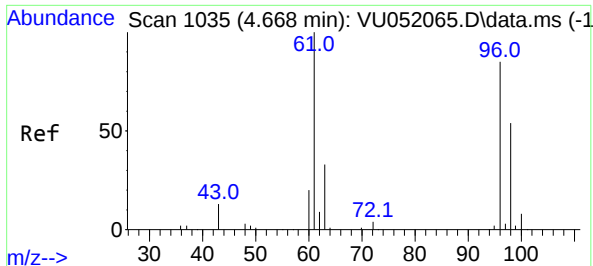
Tgt Ion: 96 Resp: 79521
Ion Ratio Lower Upper
96 100
61 133.2 97.9 181.7
98 65.0 43.8 81.3



#19
1,1-Dichloroethane
Concen: 0.109 ug/L
RT: 3.870 min Scan# 787
Delta R.T. 0.003 min
Lab File: VU052082.D
Acq: 23 Nov 2022 10:37

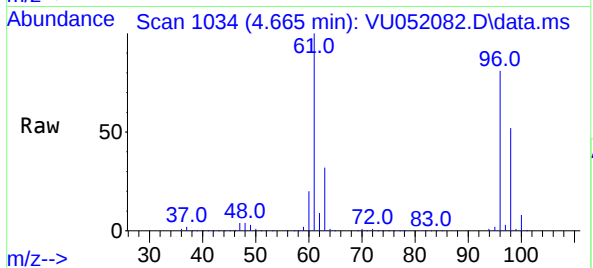
Tgt Ion: 63 Resp: 3298
Ion Ratio Lower Upper
63 100
65 29.0 22.2 41.2
83 8.0 9.2 17.0#





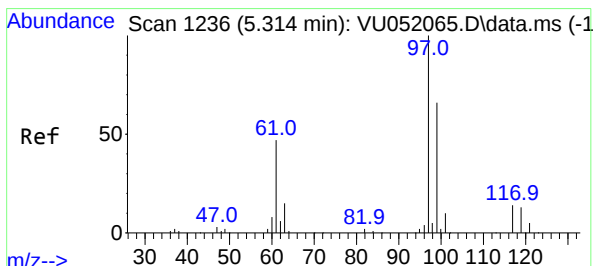
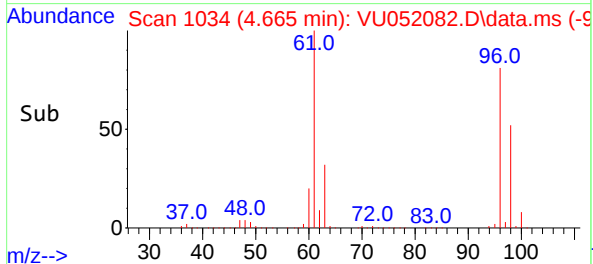
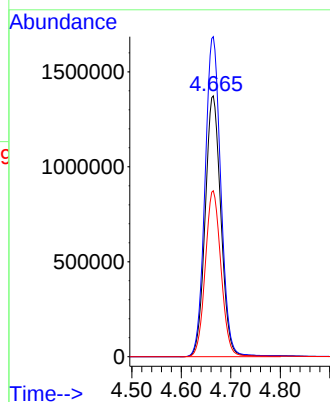
#22
 cis-1,2-Dichloroethene
 Concen: 171.608 ug/L
 RT: 4.665 min Scan# 1035
 Delta R.T. -0.000 min
 Lab File: VU052082.D
 Acq: 23 Nov 2022 10:37

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 96 Resp: 3025811

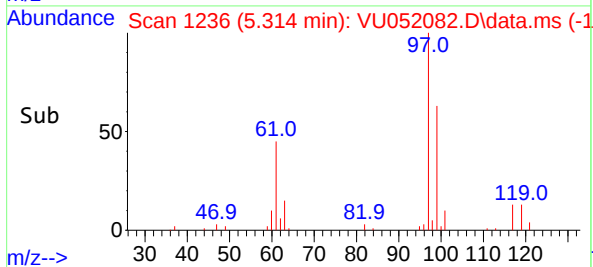
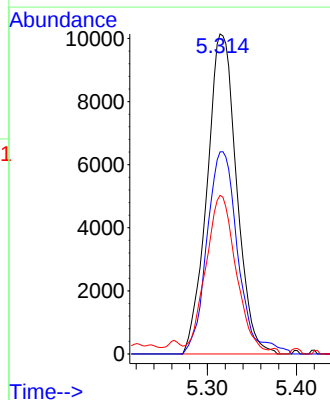
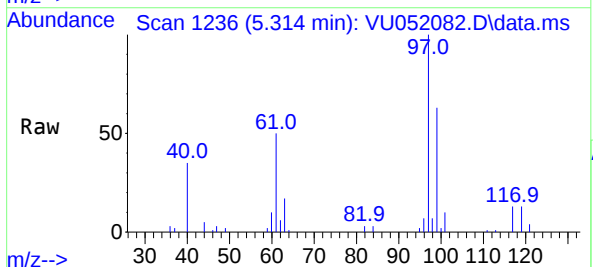
Ion	Ratio	Lower	Upper
96	100		
61	122.7	85.1	158.1
98	63.6	42.8	79.6

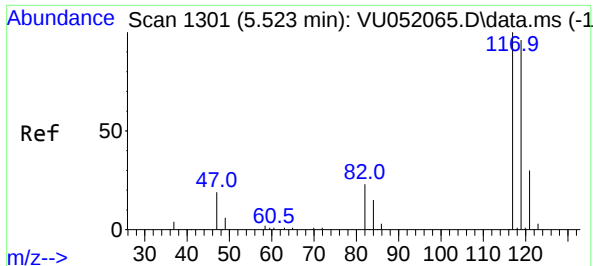


#29
 1,1,1-Trichloroethane
 Concen: 0.962 ug/L
 RT: 5.314 min Scan# 1236
 Delta R.T. -0.000 min
 Lab File: VU052082.D
 Acq: 23 Nov 2022 10:37

Tgt Ion: 97 Resp: 23354

Ion	Ratio	Lower	Upper
97	100		
99	66.3	51.0	76.6
61	48.2	36.9	55.3

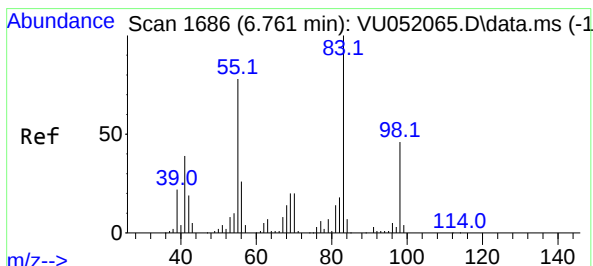
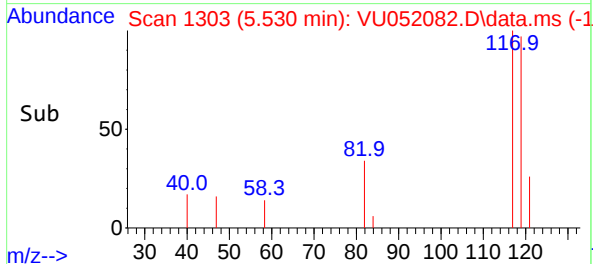
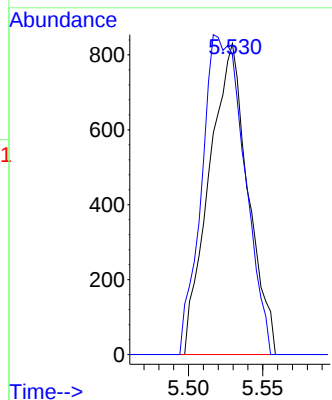
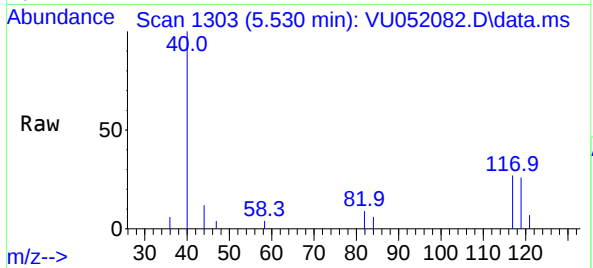




#31
Carbon tetrachloride
Concen: 0.073 ug/L
RT: 5.530 min Scan# 11
Delta R.T. 0.006 min
Lab File: VU052082.D
Acq: 23 Nov 2022 10:37

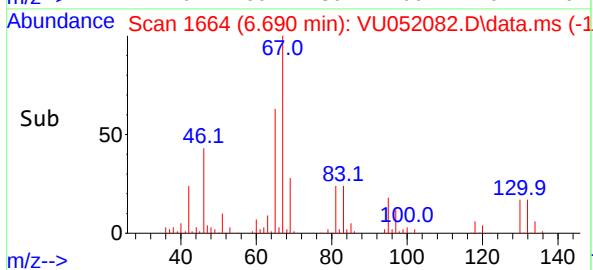
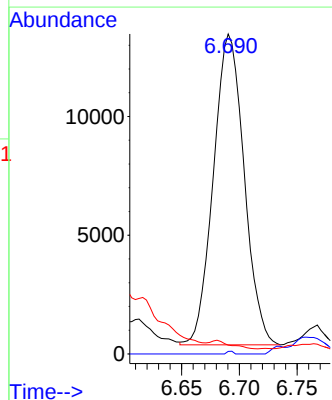
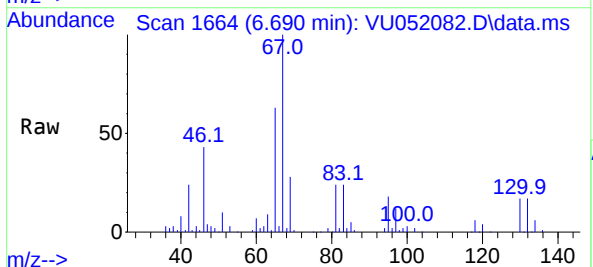
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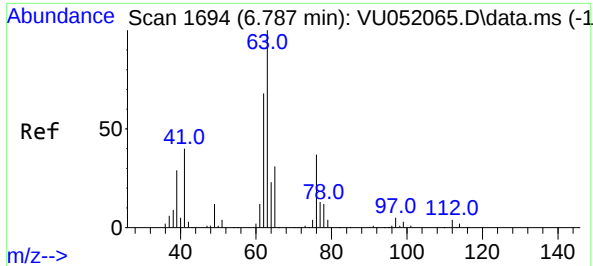
Tgt Ion:117 Resp: 1511
Ion Ratio Lower Upper
117 100
119 112.6 77.2 115.8



#35
Methylcyclohexane
Concen: 0.949 ug/L
RT: 6.690 min Scan# 1664
Delta R.T. -0.071 min
Lab File: VU052082.D
Acq: 23 Nov 2022 10:37

Tgt Ion: 83 Resp: 24258
Ion Ratio Lower Upper
83 100
55 0.2 60.8 91.2#
98 0.0 35.1 52.7#

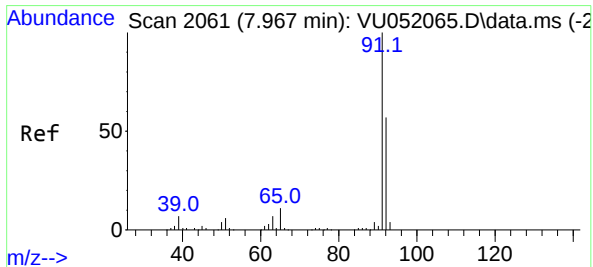
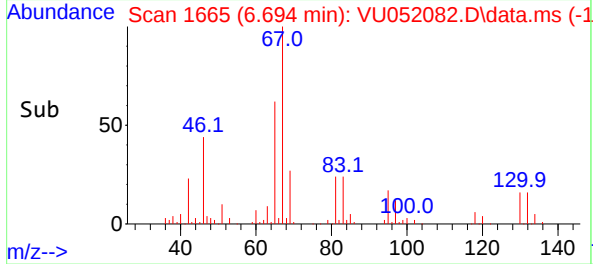
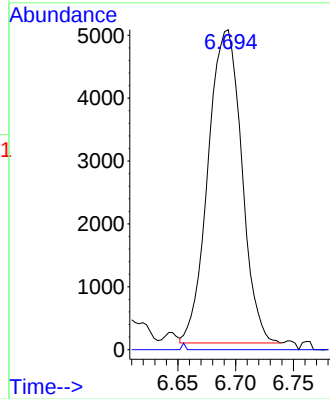
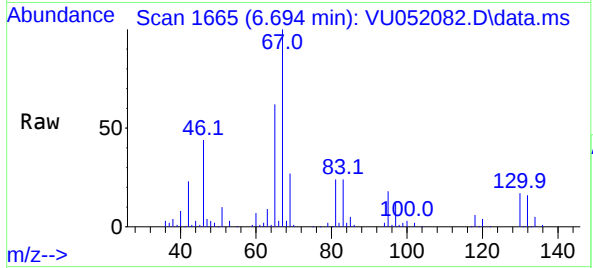




#37
1,2-Dichloropropane
Concen: 0.547 ug/L
RT: 6.694 min Scan# 1
Delta R.T. -0.093 min
Lab File: VU052082.D
Acq: 23 Nov 2022 10:37

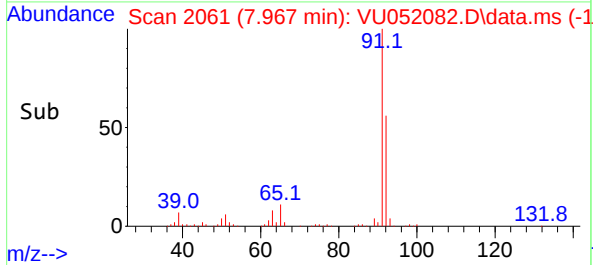
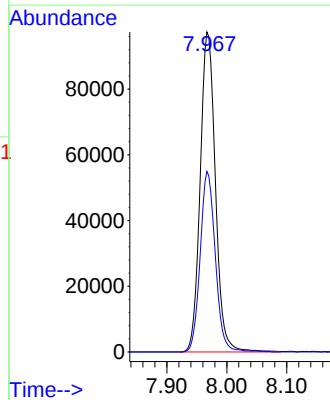
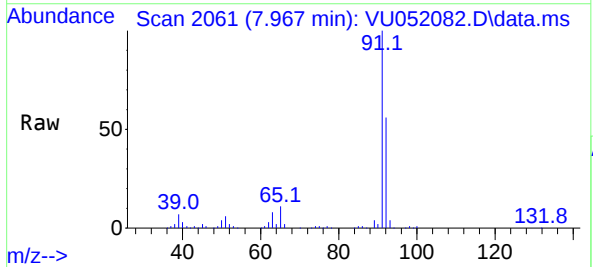
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MSVOA_U
ClientSampleId :

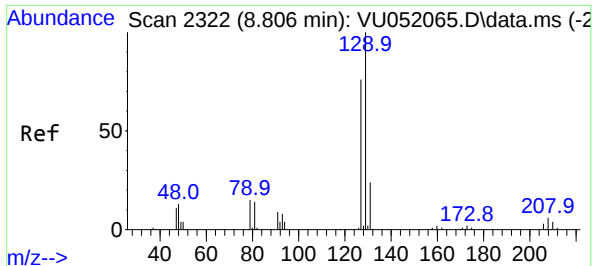
Tgt Ion: 63 Resp: 10086
Ion Ratio Lower Upper
63 100
112 0.2 3.3 4.9#



#42
Toluene
Concen: 2.356 ug/L
RT: 7.967 min Scan# 2061
Delta R.T. -0.000 min
Lab File: VU052082.D
Acq: 23 Nov 2022 10:37

Tgt Ion: 91 Resp: 172642
Ion Ratio Lower Upper
91 100
92 56.4 40.7 75.5





#49

Dibromochloromethane

Concen: 0.120 ug/L

RT: 8.552 min Scan# 21

Delta R.T. -0.254 min

Lab File: VU052082.D

Acq: 23 Nov 2022 10:37

Instrument :

MSVOA_U

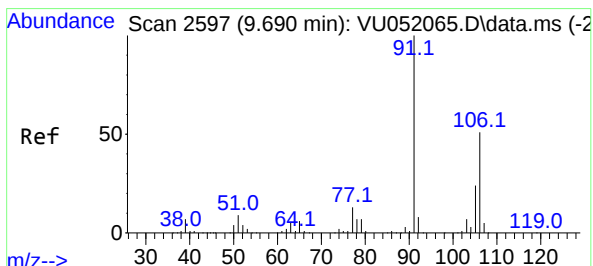
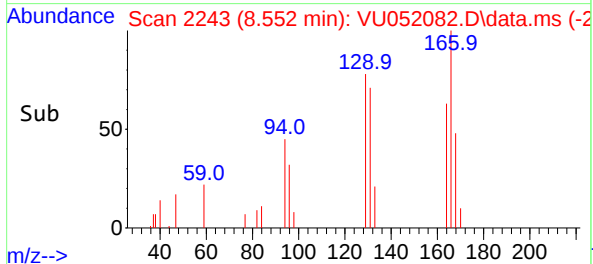
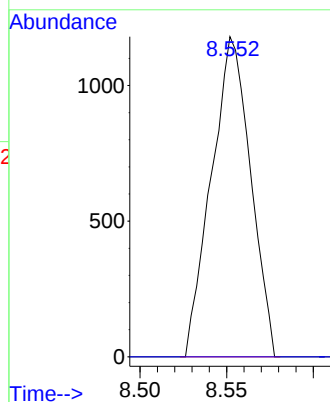
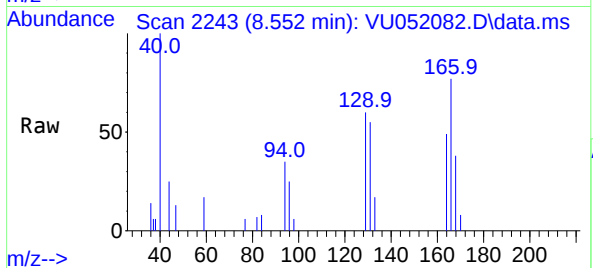
ClientSampleId :

Tgt Ion:129 Resp: 1859

Ion Ratio Lower Upper

129 100

127 0.0 52.8 98.2#



#53

m,p-Xylene

Concen: 0.130 ug/L

RT: 9.693 min Scan# 2598

Delta R.T. -0.000 min

Lab File: VU052082.D

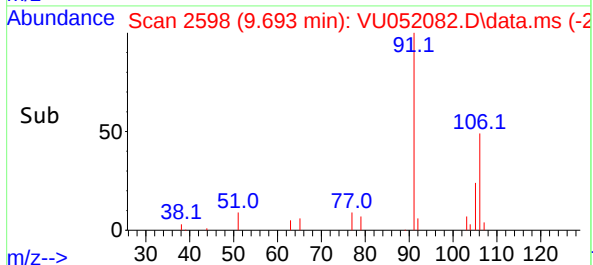
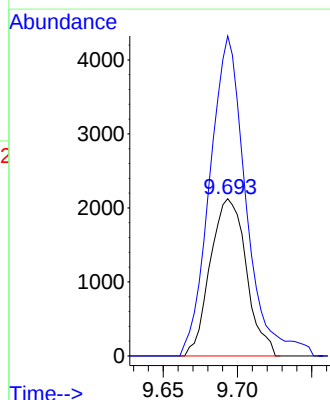
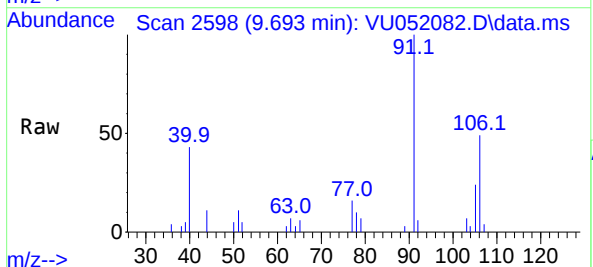
Acq: 23 Nov 2022 10:37

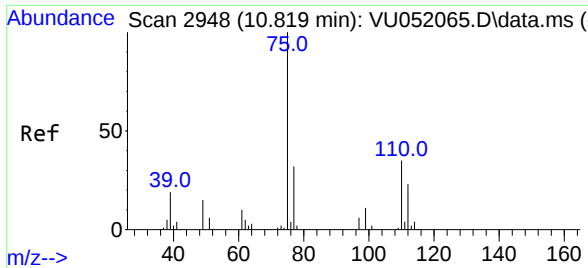
Tgt Ion:106 Resp: 3590

Ion Ratio Lower Upper

106 100

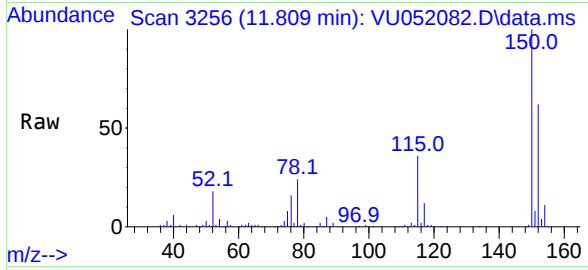
91 203.4 137.7 255.7





#61
 1,2,3-Trichloropropane
 Concen: 1.121 ug/L
 RT: 11.809 min Scan# 31
 Delta R.T. 0.990 min
 Lab File: VU052082.D
 Acq: 23 Nov 2022 10:37

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 10542

Ion	Ratio	Lower	Upper
75	100		
110	1.2	28.3	42.5#
77	30.4	26.2	39.2

