

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040424\
 Data File : VU058394.D
 Acq On : 05 Apr 2024 02:42
 Operator : MD/SY
 Sample : P1970-07
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 05 05:16:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR040424WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Apr 05 00:02:56 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	86751	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	80946	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	36095	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	28597	4.979	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.600%
7) Chloroethane-d5	1.907	69	25422	5.093	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.800%
11) 1,1-Dichloroethene-d2	2.560	65	18722	7.202	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	144.000%#
20) 2-Butanone-d5	4.627	46	62206	51.394	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.780%
24) Chloroform-d	5.055	84	58844	5.132	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	102.600%
26) 1,2-Dichloroethane-d4	5.692	65	27455	5.131	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.600%
32) Benzene-d6	5.721	84	117154	5.376	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.600%
36) 1,2-Dichloropropane-d6	6.682	67	37185	5.441	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	108.800%
41) Toluene-d8	7.891	98	98723	5.108	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.200%
43) trans-1,3-Dichloroprop...	8.174	79	11435	5.390	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	107.800%
46) 2-Hexanone-d5	8.627	63	44132	50.436	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.880%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	23818	4.937	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.800%
66) 1,2-Dichlorobenzene-d4	12.187	152	30896	5.082	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.600%
Target Compounds						
					Qvalue	
3) Chloromethane	1.515	50	1761	0.199	ug/L	91
5) Vinyl chloride	1.599	62	6365	0.720	ug/L	88
8) Chloroethane	1.927	64	1477	0.265	ug/L	100
9) Trichlorofluoromethane	2.136	101	3776	0.324	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	34577	4.986	ug/L #	33
12) 1,1-Dichloroethene	2.566	96	14227816	2314.209	ug/L #	44
13) Acetone	2.634	43	955955	925.359	ug/L	99
16) Methylene chloride	3.036	84	18368	2.251	ug/L	95
19) 1,1-Dichloroethane	3.859	63	3575480	254.227	ug/L	98
21) 2-Butanone	4.714	43	25226	16.337	ug/L	97
22) cis-1,2-Dichloroethene	4.663	96	1930	0.267	ug/L	96
25) Chloroform	5.078	83	20063	1.474	ug/L	93
27) 1,2-Dichloroethane	5.785	62	32895	3.968	ug/L	98
30) Cyclohexane	5.335	56	926	0.081	ug/L #	1
31) Carbon tetrachloride	5.335	117	7345574	799.219	ug/L	100
34) Trichloroethene	6.534	95	258778	34.987	ug/L	98
35) Methylcyclohexane	6.682	83	8326	0.747	ug/L #	16
42) Toluene	7.965	91	11066	0.360	ug/L	98
47) Tetrachloroethene	8.547	164	7305	1.347	ug/L	97

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Apr 05 00:02:56 2024
Response via : Initial Calibration

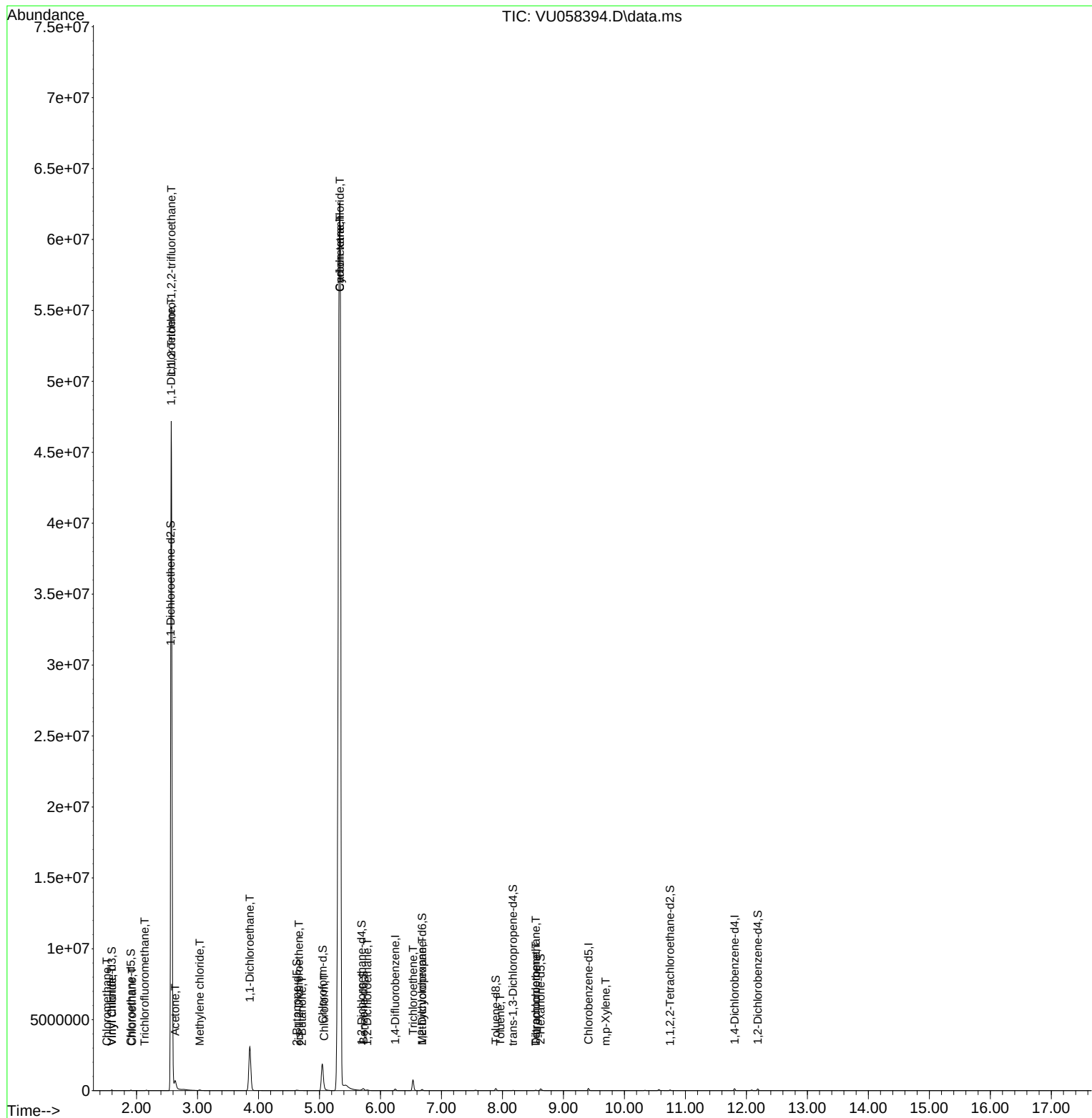
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Dibromochloromethane	8.547	129	7308	1.402	ug/L #	11
53) m,p-Xylene	9.692	106	1320	0.113	ug/L	98

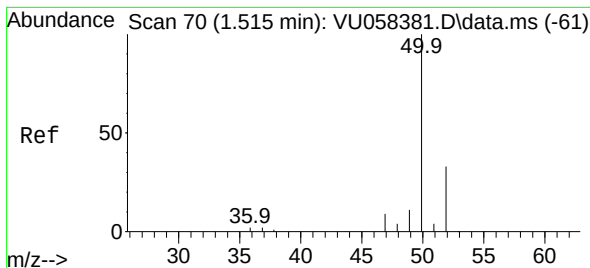
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.199 ug/L

RT: 1.515 min Scan# 70

Delta R.T. -0.000 min

Lab File: VU058394.D

Acq: 05 Apr 2024 02:42

Instrument :

MSVOA_U

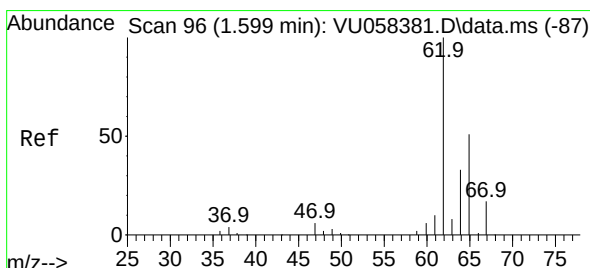
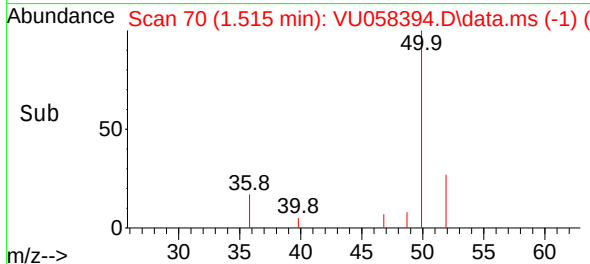
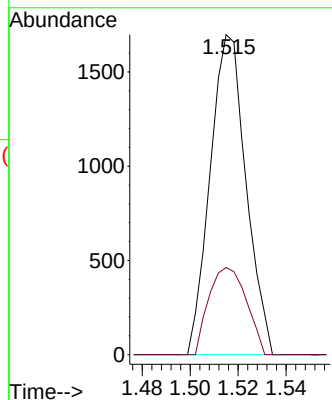
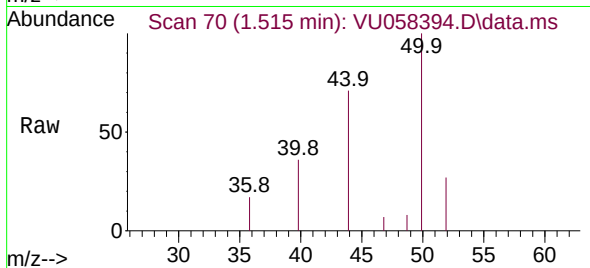
ClientSampleId :

Tgt Ion: 50 Resp: 1761

Ion Ratio Lower Upper

50 100

52 27.3 22.6 42.0



#5

Vinyl chloride

Concen: 0.720 ug/L

RT: 1.599 min Scan# 96

Delta R.T. -0.000 min

Lab File: VU058394.D

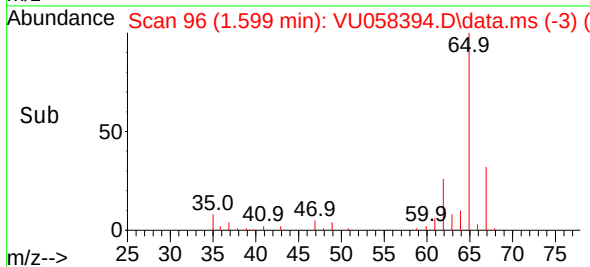
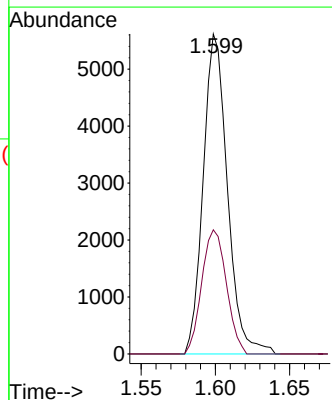
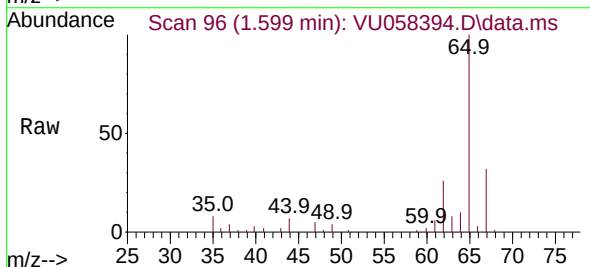
Acq: 05 Apr 2024 02:42

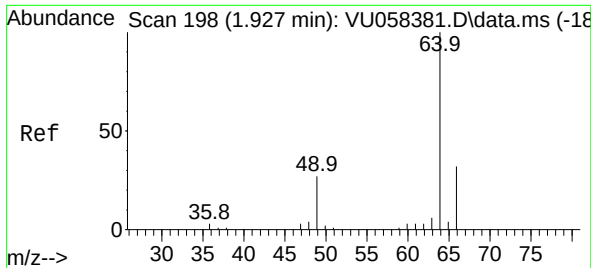
Tgt Ion: 62 Resp: 6365

Ion Ratio Lower Upper

62 100

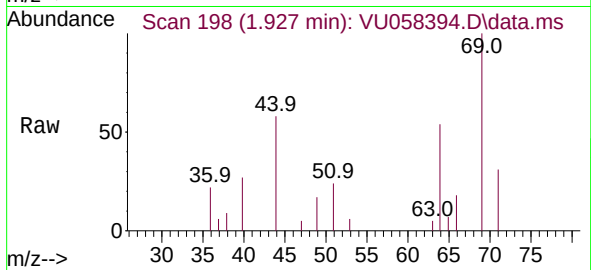
64 38.8 22.6 42.0



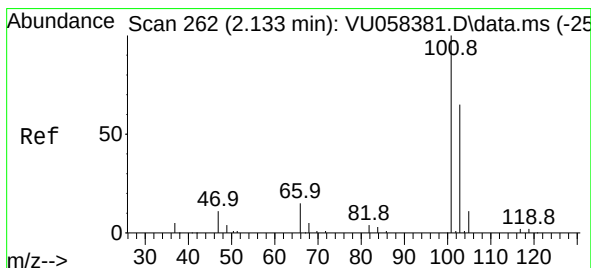
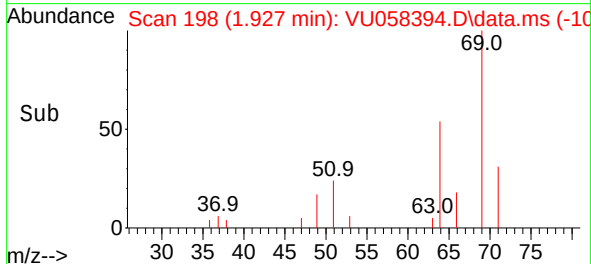
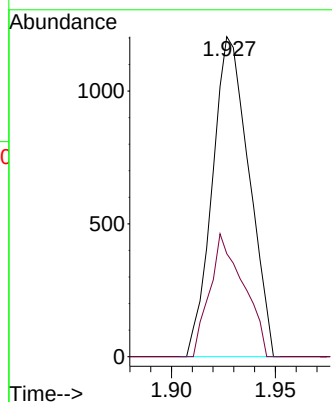


#8
Chloroethane
Concen: 0.265 ug/L
RT: 1.927 min Scan# 198
Delta R.T. -0.000 min
Lab File: VU058394.D
Acq: 05 Apr 2024 02:42

Instrument :
MSVOA_U
ClientSampleId :

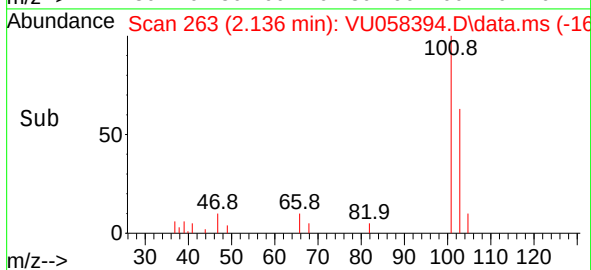
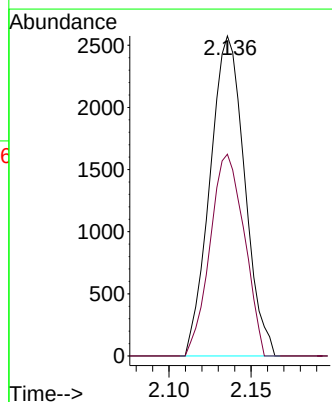
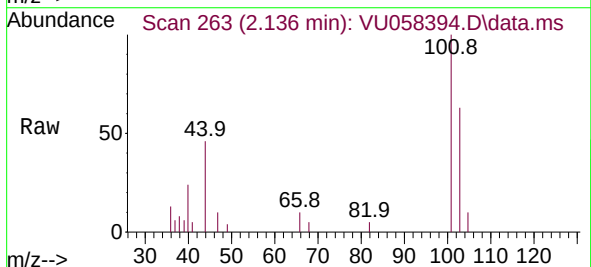


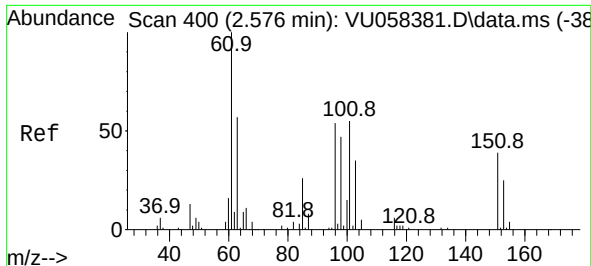
Tgt Ion: 64 Resp: 1477
Ion Ratio Lower Upper
64 100
66 32.2 22.5 41.9



#9
Trichlorofluoromethane
Concen: 0.324 ug/L
RT: 2.136 min Scan# 263
Delta R.T. 0.003 min
Lab File: VU058394.D
Acq: 05 Apr 2024 02:42

Tgt Ion:101 Resp: 3776
Ion Ratio Lower Upper
101 100
103 62.2 51.2 76.8





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 4.986 ug/L

RT: 2.570 min Scan# 30

Delta R.T. -0.007 min

Lab File: VU058394.D

Acq: 05 Apr 2024 02:42

Instrument :

MSVOA_U

ClientSampleId :

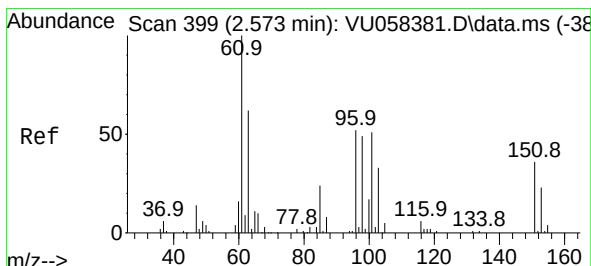
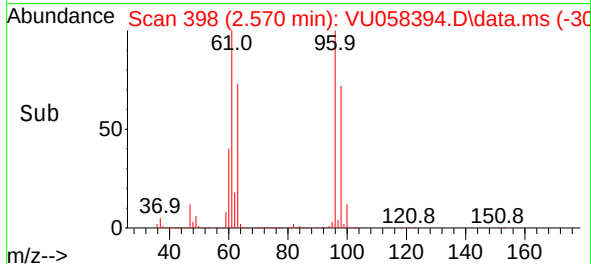
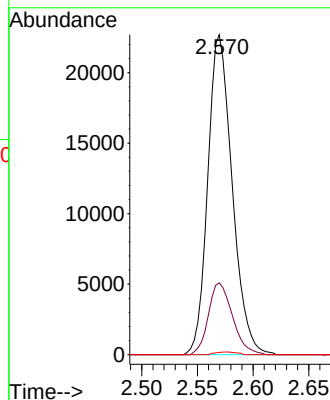
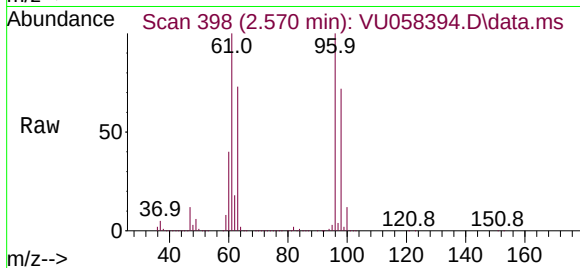
Tgt Ion:101 Resp: 34577

Ion Ratio Lower Upper

101 100

85 22.2 36.8 55.2#

151 0.7 58.2 87.4#



#12

1,1-Dichloroethene

Concen: 2314.209 ug/L

RT: 2.566 min Scan# 397

Delta R.T. -0.007 min

Lab File: VU058394.D

Acq: 05 Apr 2024 02:42

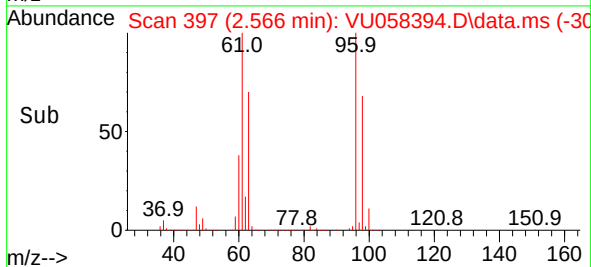
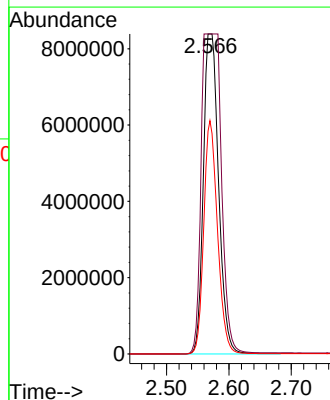
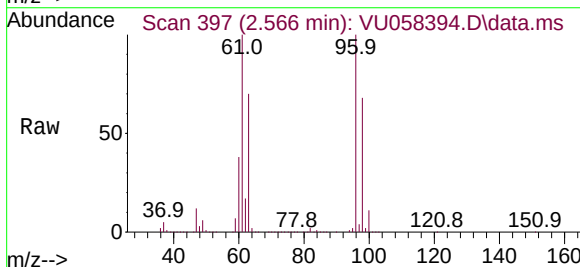
Tgt Ion: 96 Resp:14227816

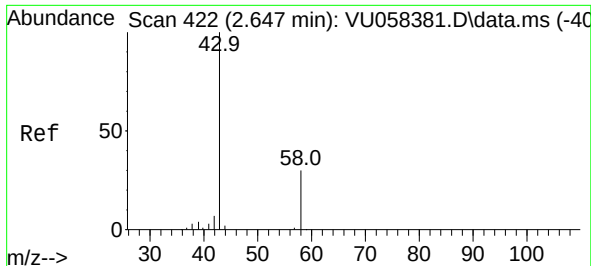
Ion Ratio Lower Upper

96 100

61 100.0 132.5 246.1#

63 69.6 87.7 162.9#





#13

Acetone

Concen: 925.359 ug/L

RT: 2.634 min Scan# 41

Delta R.T. -0.013 min

Lab File: VU058394.D

Acq: 05 Apr 2024 02:42

Instrument :

MSVOA_U

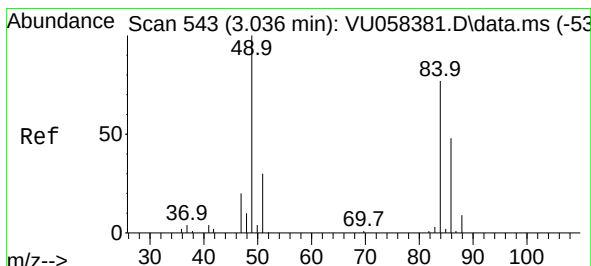
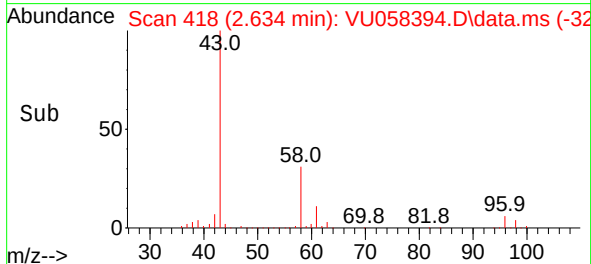
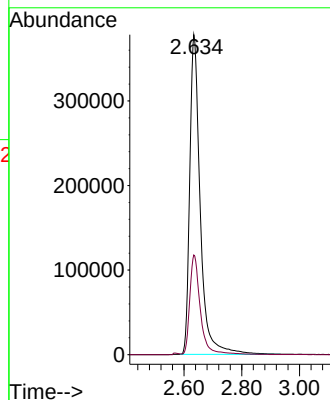
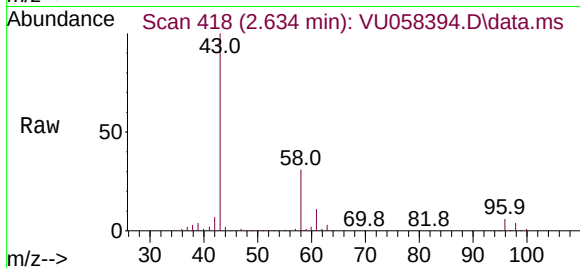
ClientSampleId :

Tgt Ion: 43 Resp: 955955

Ion Ratio Lower Upper

43 100

58 31.0 0.0 61.4



#16

Methylene chloride

Concen: 2.251 ug/L

RT: 3.036 min Scan# 543

Delta R.T. -0.000 min

Lab File: VU058394.D

Acq: 05 Apr 2024 02:42

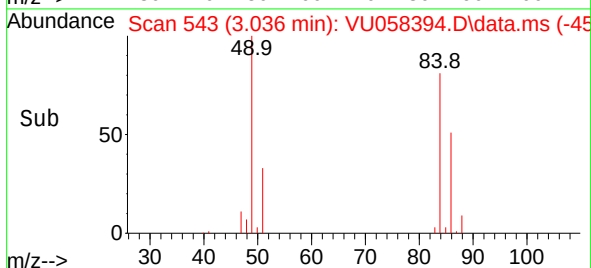
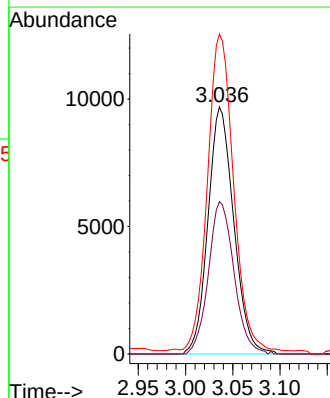
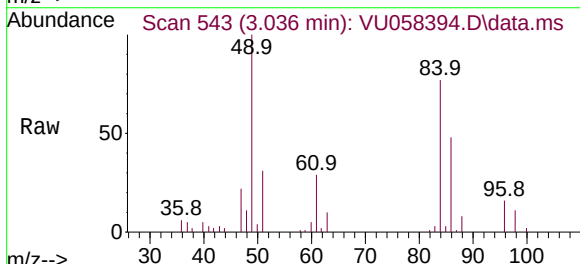
Tgt Ion: 84 Resp: 18368

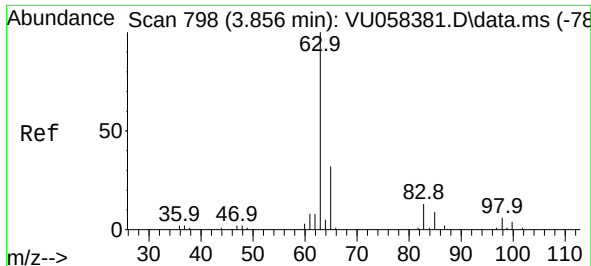
Ion Ratio Lower Upper

84 100

86 61.6 44.3 82.3

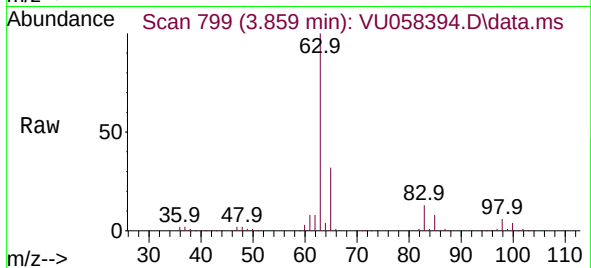
49 129.5 96.0 178.2



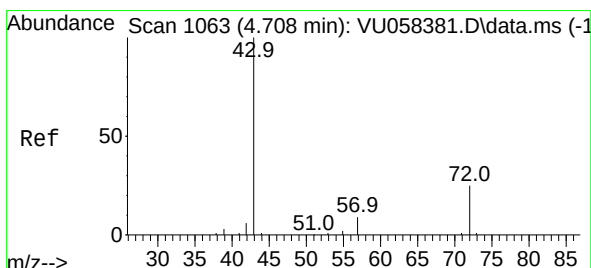
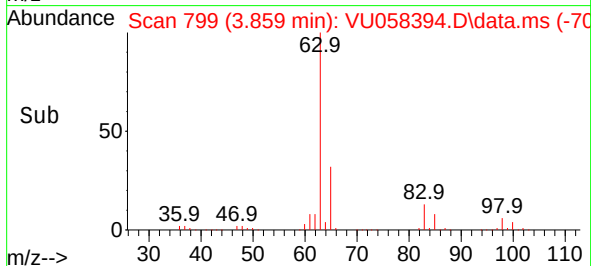
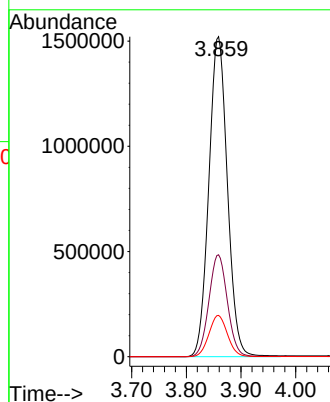


#19
1,1-Dichloroethane
Concen: 254.227 ug/L
RT: 3.859 min Scan# 798
Delta R.T. 0.003 min
Lab File: VU058394.D
Acq: 05 Apr 2024 02:42

Instrument :
MSVOA_U
ClientSampleId :

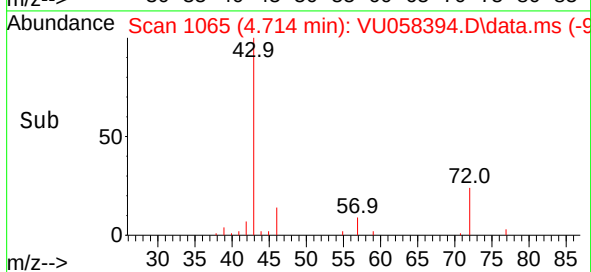
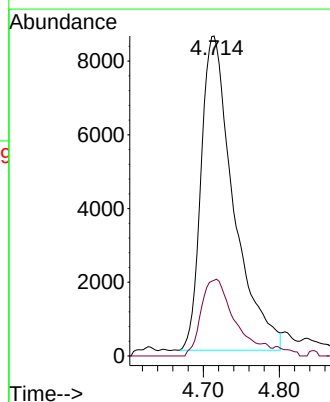
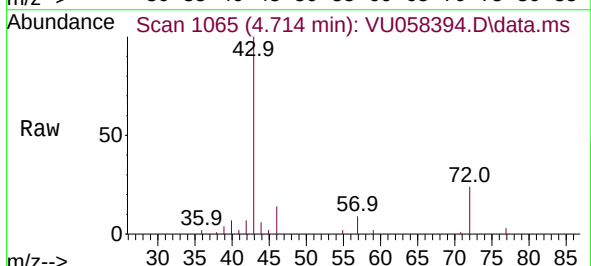


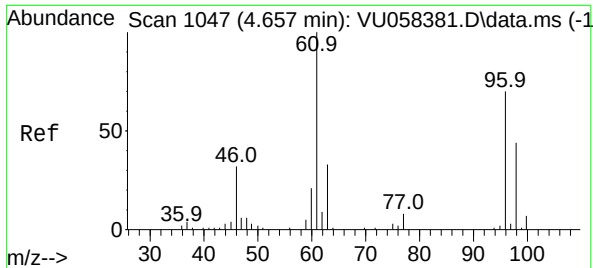
Tgt Ion: 63 Resp: 3575480
Ion Ratio Lower Upper
63 100
65 31.8 22.9 42.5
83 12.9 9.6 17.8



#21
2-Butanone
Concen: 16.337 ug/L
RT: 4.714 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VU058394.D
Acq: 05 Apr 2024 02:42

Tgt Ion: 43 Resp: 25226
Ion Ratio Lower Upper
43 100
72 24.6 11.7 35.0

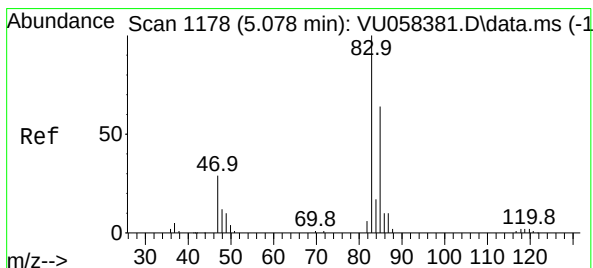
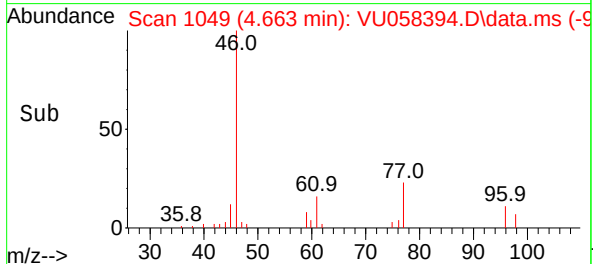
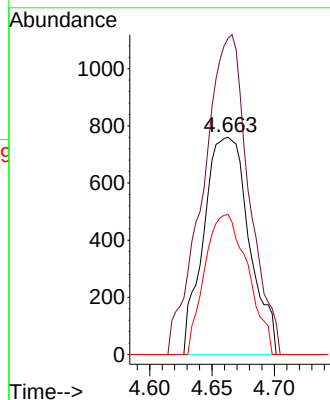
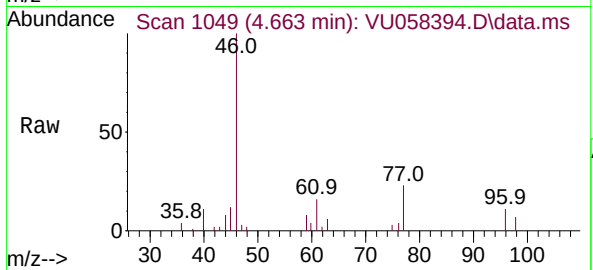




#22
 cis-1,2-Dichloroethene
 Concen: 0.267 ug/L
 RT: 4.663 min Scan# 1049
 Delta R.T. 0.006 min
 Lab File: VU058394.D
 Acq: 05 Apr 2024 02:42

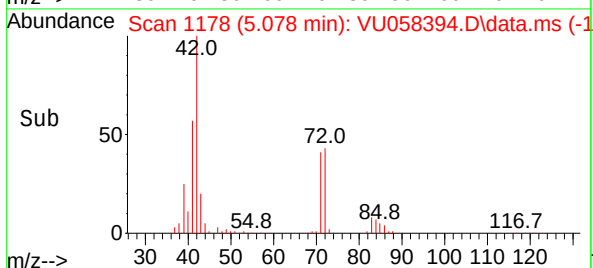
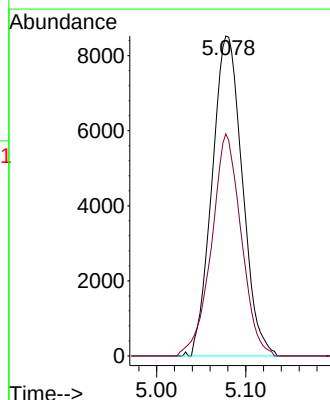
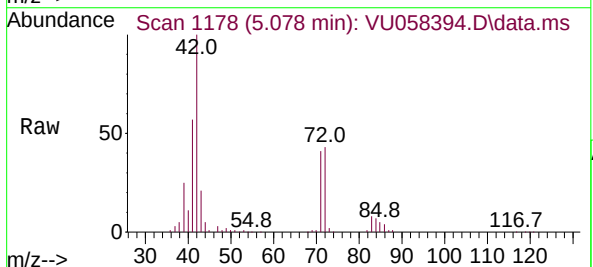
Instrument :
 MSVOA_U
 ClientSampleId :

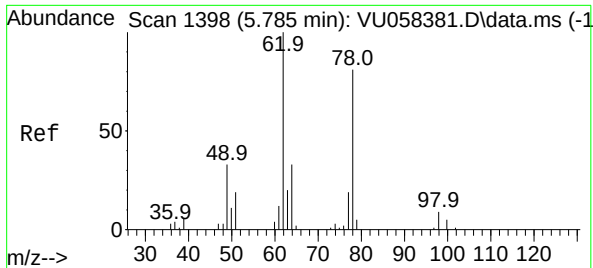
Tgt Ion:	96	Resp:	1930
Ion	Ratio	Lower	Upper
96	100		
61	145.5	98.1	182.3
98	64.5	43.6	81.0



#25
 Chloroform
 Concen: 1.474 ug/L
 RT: 5.078 min Scan# 1178
 Delta R.T. -0.000 min
 Lab File: VU058394.D
 Acq: 05 Apr 2024 02:42

Tgt Ion:	83	Resp:	20063
Ion	Ratio	Lower	Upper
83	100		
85	69.4	44.7	83.1

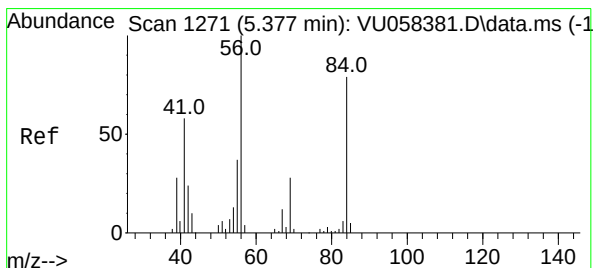
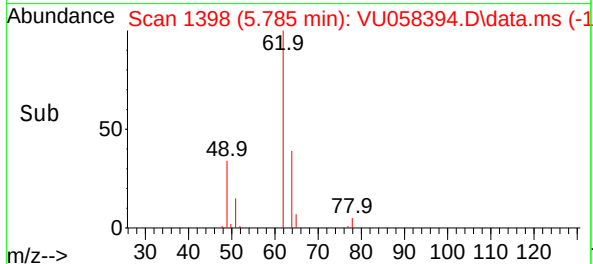
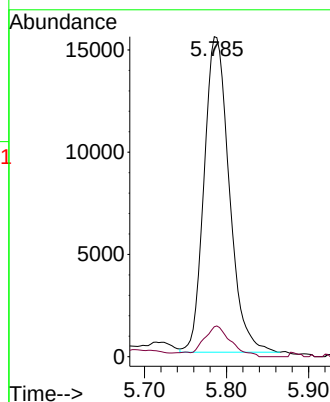
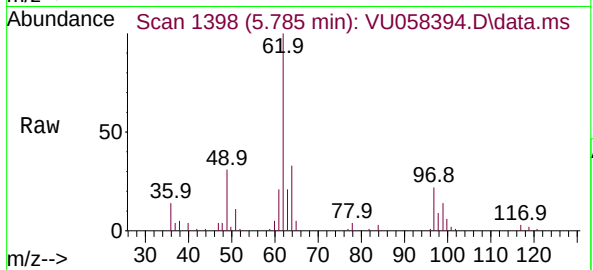




#27
1,2-Dichloroethane
Concen: 3.968 ug/L
RT: 5.785 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU058394.D
Acq: 05 Apr 2024 02:42

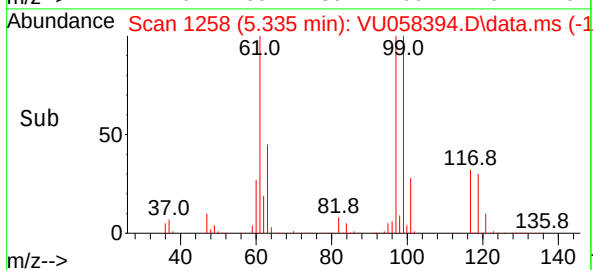
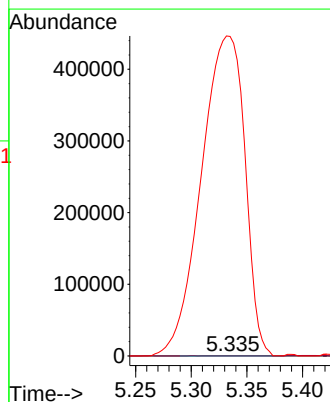
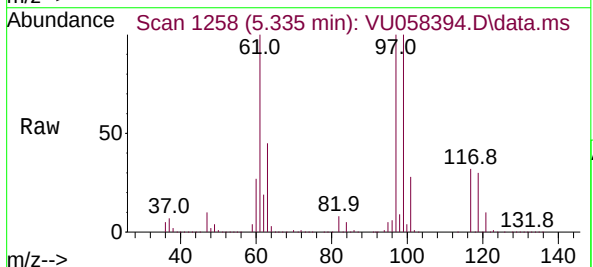
Instrument :
MSVOA_U
ClientSampleId :

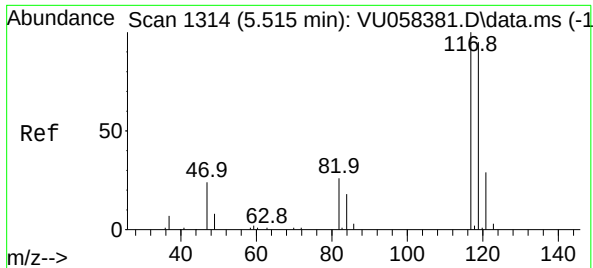
Tgt Ion: 62 Resp: 32895
Ion Ratio Lower Upper
62 100
98 9.3 7.0 10.4



#30
Cyclohexane
Concen: 0.081 ug/L
RT: 5.335 min Scan# 1258
Delta R.T. -0.042 min
Lab File: VU058394.D
Acq: 05 Apr 2024 02:42

Tgt Ion: 56 Resp: 926
Ion Ratio Lower Upper
56 100
69 10.9 23.2 34.8#
84 131640.5 63.3 94.9#

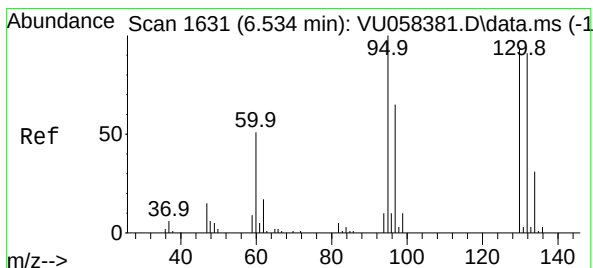
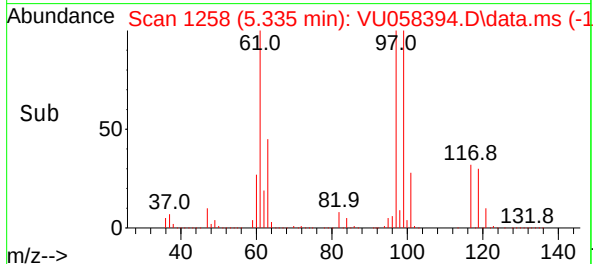
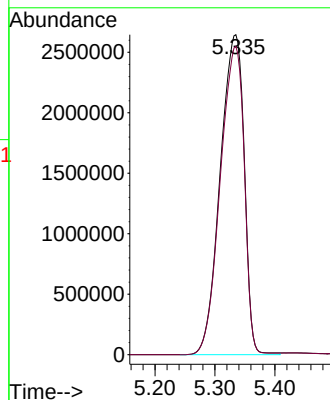
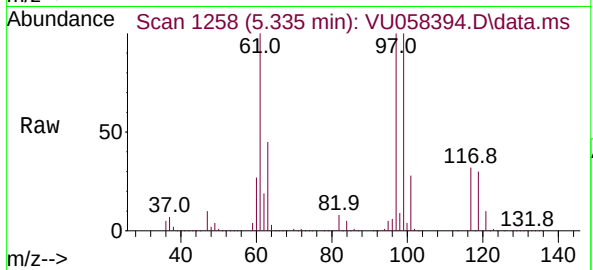




#31
Carbon tetrachloride
Concen: 799.219 ug/L
RT: 5.335 min Scan# 117
Delta R.T. -0.180 min
Lab File: VU058394.D
Acq: 05 Apr 2024 02:42

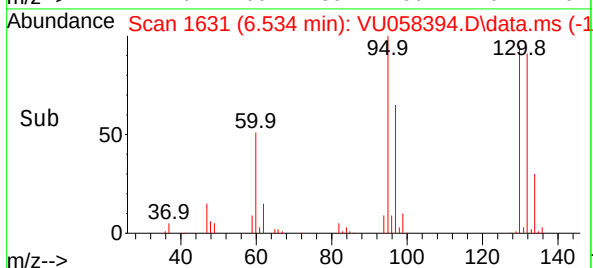
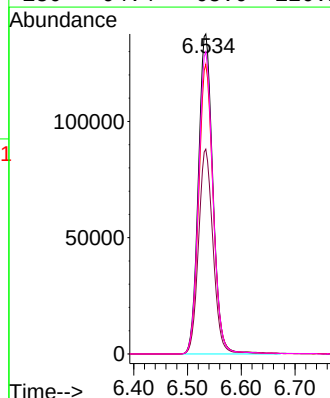
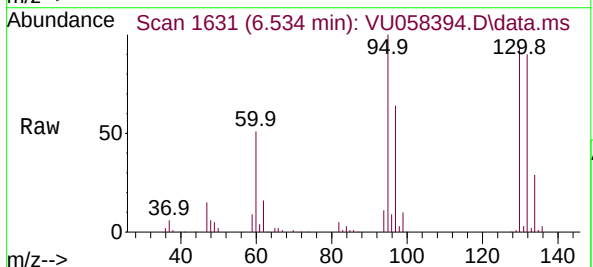
Instrument :
MSVOA_U
ClientSampleId :

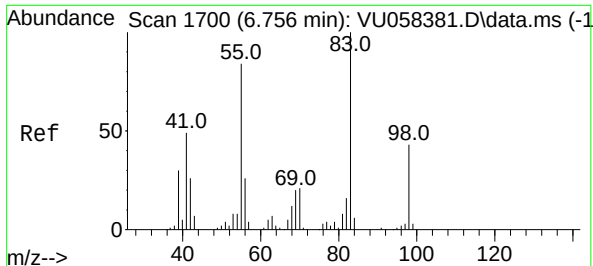
Tgt Ion:117 Resp: 7345574
Ion Ratio Lower Upper
117 100
119 95.9 76.7 115.1



#34
Trichloroethene
Concen: 34.987 ug/L
RT: 6.534 min Scan# 1631
Delta R.T. -0.000 min
Lab File: VU058394.D
Acq: 05 Apr 2024 02:42

Tgt Ion: 95 Resp: 258778
Ion Ratio Lower Upper
95 100
97 64.0 45.6 84.6
132 90.5 64.8 120.3
130 94.4 68.0 126.2





#35

Methylcyclohexane

Concen: 0.747 ug/L

RT: 6.682 min Scan# 1

Delta R.T. -0.074 min

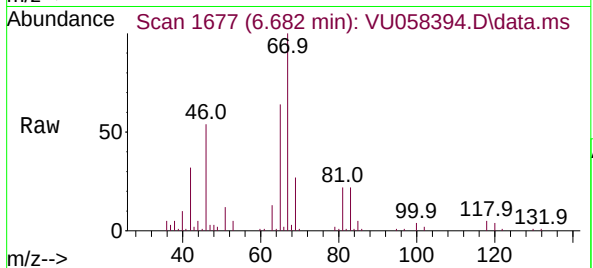
Lab File: VU058394.D

Acq: 05 Apr 2024 02:42

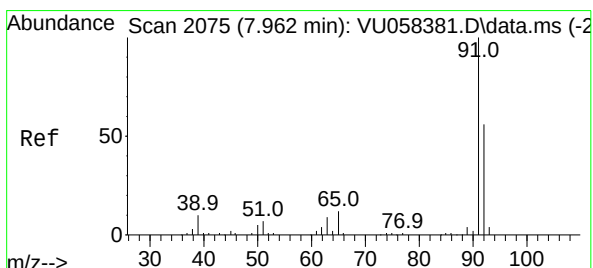
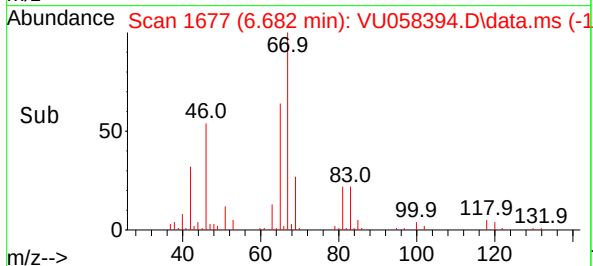
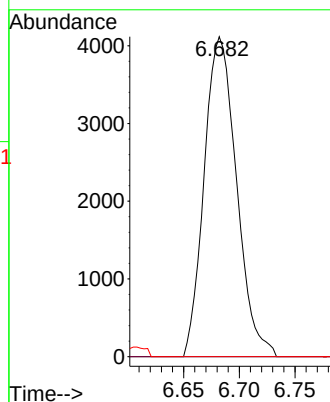
Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:	83	Resp:	8326
Ion	Ratio	Lower	Upper
83	100		
55	0.0	66.2	99.4#
98	0.0	34.6	52.0#



#42

Toluene

Concen: 0.360 ug/L

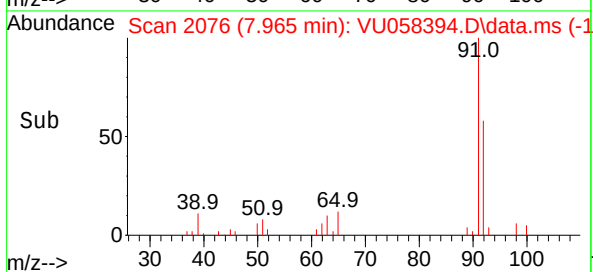
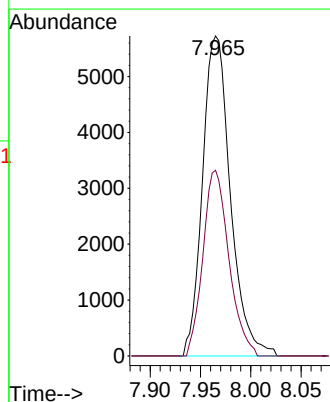
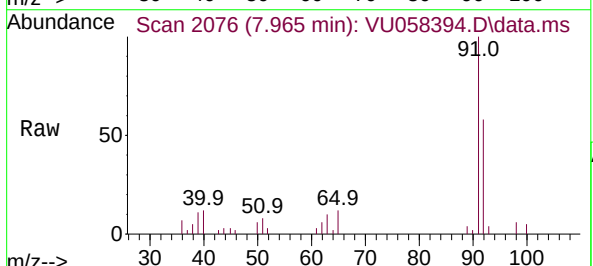
RT: 7.965 min Scan# 2076

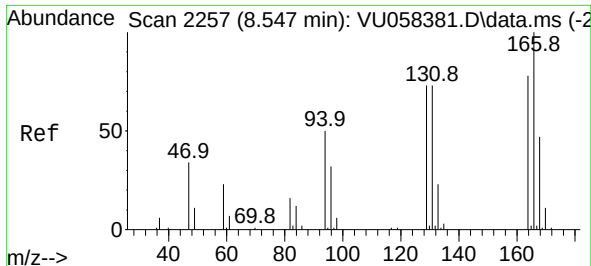
Delta R.T. 0.003 min

Lab File: VU058394.D

Acq: 05 Apr 2024 02:42

Tgt Ion:	91	Resp:	11066
Ion	Ratio	Lower	Upper
91	100		
92	58.1	39.5	73.3





#47

Tetrachloroethene

Concen: 1.347 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. -0.000 min

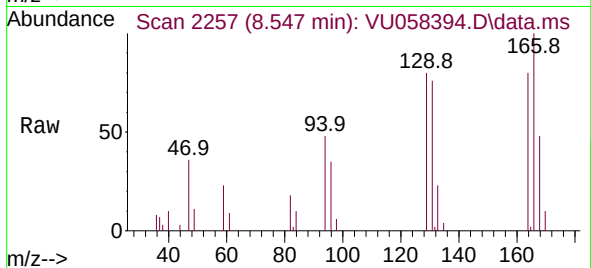
Lab File: VU058394.D

Acq: 05 Apr 2024 02:42

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:164 Resp: 7305

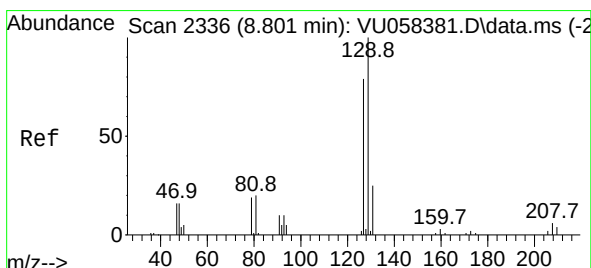
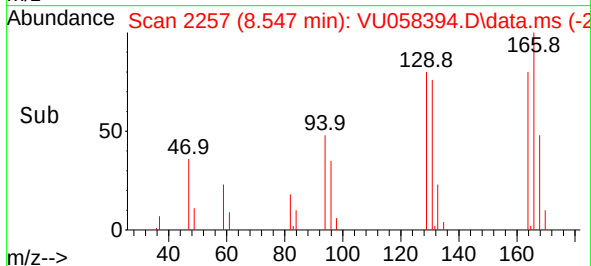
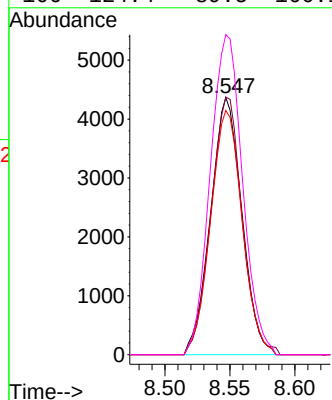
Ion Ratio Lower Upper

164 100

129 100.2 67.3 125.1

131 94.9 65.5 121.6

166 124.4 89.5 166.1



#49

Dibromochloromethane

Concen: 1.402 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. -0.254 min

Lab File: VU058394.D

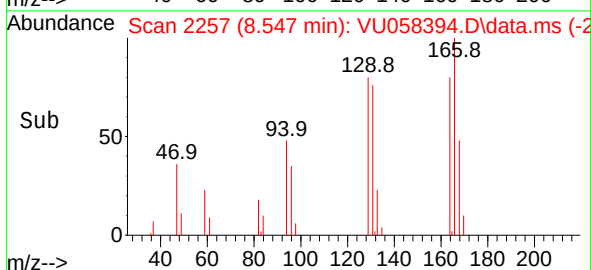
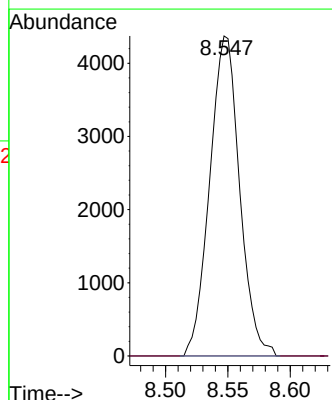
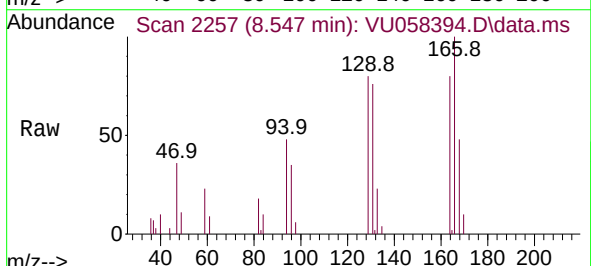
Acq: 05 Apr 2024 02:42

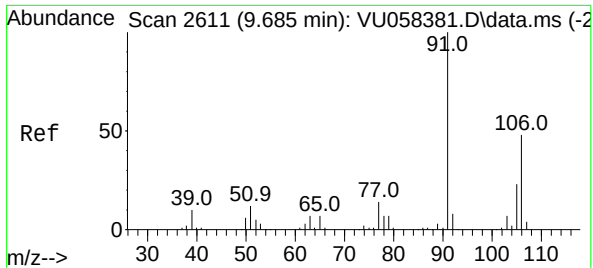
Tgt Ion:129 Resp: 7308

Ion Ratio Lower Upper

129 100

127 0.0 53.5 99.5#





#53
 m,p-Xylene
 Concen: 0.113 ug/L
 RT: 9.692 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VU058394.D
 Acq: 05 Apr 2024 02:42

Instrument :
 MSVOA_U
 ClientSampleId :

Tgt Ion:106 Resp: 1320
 Ion Ratio Lower Upper
 106 100
 91 208.6 147.8 274.4

