

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU040824\
 Data File : VU058492.D
 Acq On : 09 Apr 2024 00:52
 Operator : MD/SY
 Sample : P2013-12
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Apr 09 05:53:12 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR040424WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Apr 09 05:30:00 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	73963	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	70506	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	30203	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	118432	24.186	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	483.800%#
7) Chloroethane-d5	1.904	69	15057	3.538	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	70.800%
11) 1,1-Dichloroethene-d2	2.560	65	6421	2.897	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.000%#
20) 2-Butanone-d5	4.656	46	88177	85.447	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	170.900%#
24) Chloroform-d	5.052	84	41332	4.228	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.600%
26) 1,2-Dichloroethane-d4	5.692	65	20695	4.536	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.800%
32) Benzene-d6	5.718	84	73862	3.891	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.800%
36) 1,2-Dichloropropane-d6	6.682	67	26462	4.445	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.000%
41) Toluene-d8	7.891	98	58701	3.487	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	69.800%#
43) trans-1,3-Dichloroprop...	8.177	79	7618	4.123	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.400%
46) 2-Hexanone-d5	8.627	63	39868	52.310	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.620%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	19704	4.689	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.800%
66) 1,2-Dichlorobenzene-d4	12.187	152	22042	4.333	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.600%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.631	85	762	0.124	ug/L	100
3) Chloromethane	1.595	50	95949	12.717	ug/L #	43
5) Vinyl chloride	1.589	62	11736333	1557.553	ug/L	92
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	1227	0.208	ug/L #	75
12) 1,1-Dichloroethene	2.573	96	53316	10.171	ug/L #	82
14) Carbon disulfide	2.795	76	3684	0.221	ug/L	97
17) Methyl tert-butyl Ether	3.351	73	4015	0.324	ug/L #	89
18) trans-1,2-Dichloroethene	3.341	96	203993	37.132	ug/L	97
30) Cyclohexane	5.377	56	1691	0.169	ug/L #	84
34) Trichloroethene	6.534	95	62832	9.753	ug/L	97
35) Methylcyclohexane	6.753	83	771	0.079	ug/L	93
37) 1,2-Dichloropropane	6.682	63	2917	0.434	ug/L #	90
42) Toluene	7.965	91	5850	0.218	ug/L	93
45) 1,1,2-Trichloroethane	8.544	97	591	0.150	ug/L #	1
47) Tetrachloroethene	8.547	164	70885	15.009	ug/L	98
49) Dibromochloromethane	8.547	129	70428	15.511	ug/L #	11
61) 1,2,3-Trichloropropane	11.804	75	4109	1.333	ug/L #	70

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Quant Time: Apr 09 05:53:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR040424WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Tue Apr 09 05:30:00 2024
Response via : Initial Calibration

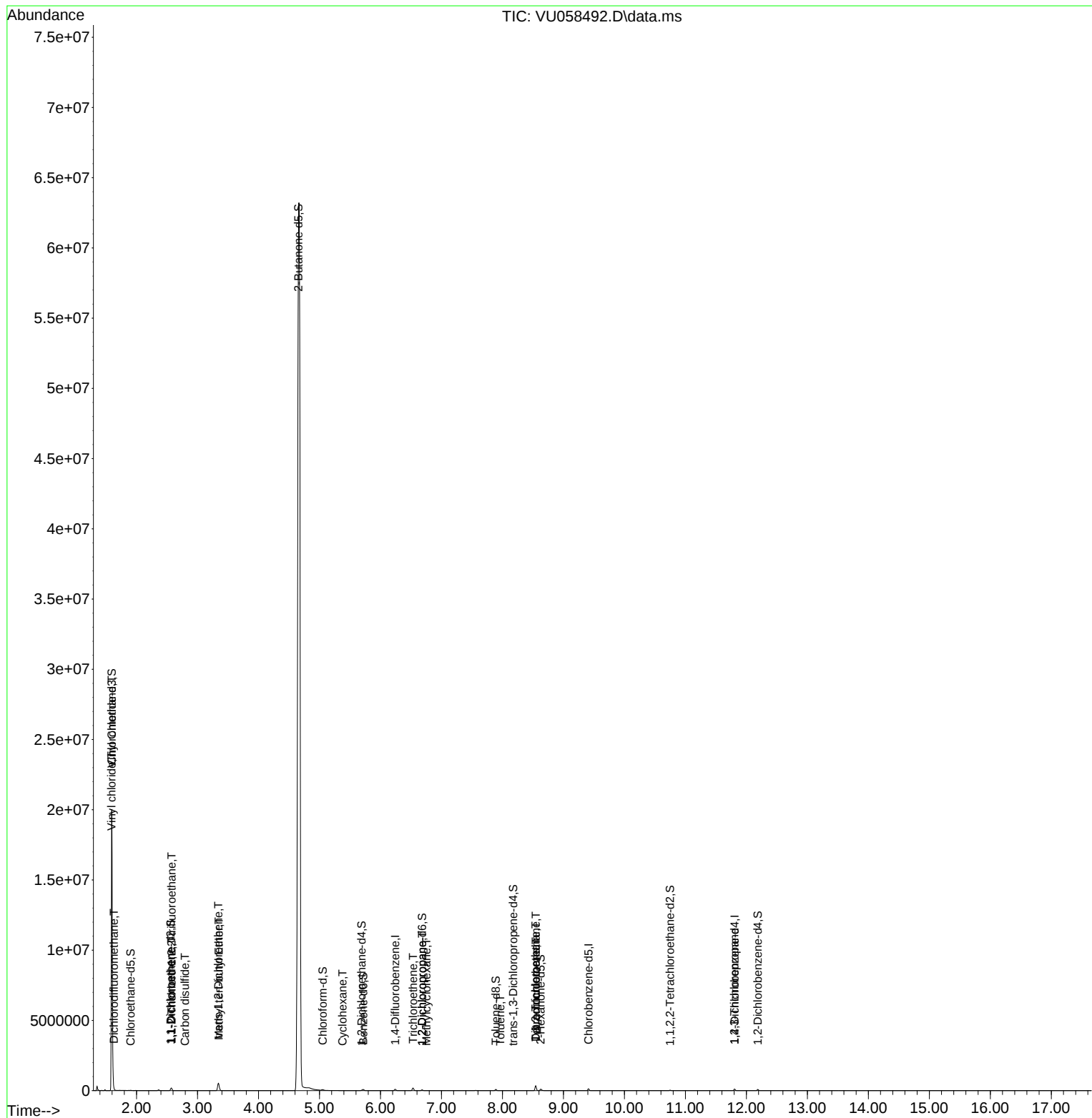
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

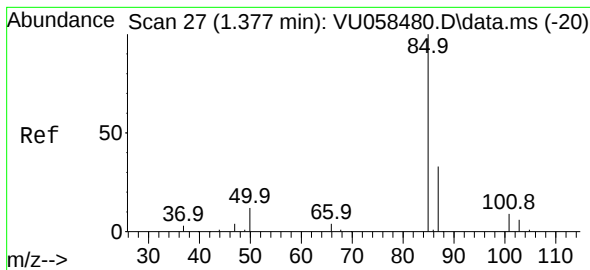
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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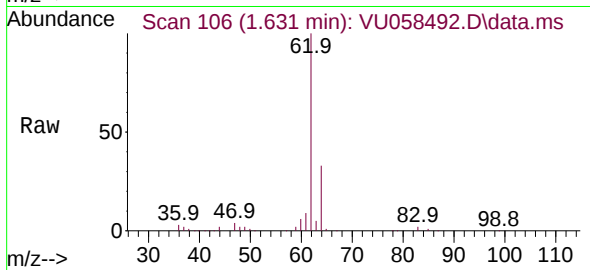
Quant Time: Apr 09 05:53:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR040424WMA.M
Quant Title : TRACE VOA SFAM1.0
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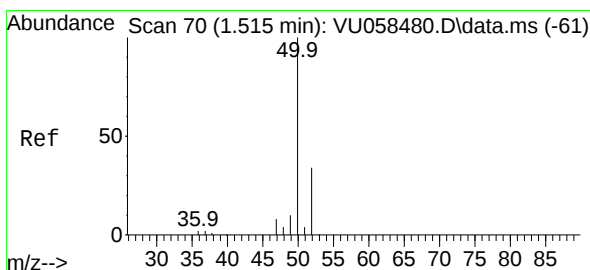
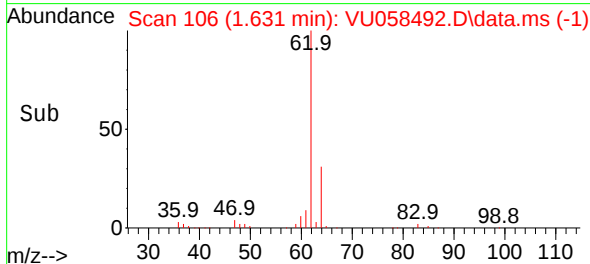
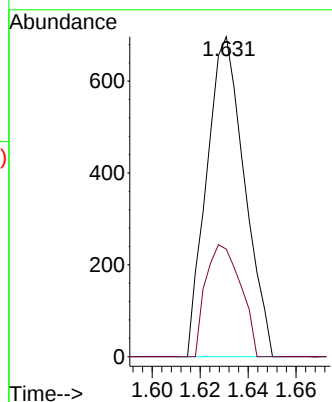


#2
 Dichlorodifluoromethane
 Concen: 0.124 ug/L
 RT: 1.631 min Scan# 106
 Delta R.T. 0.254 min
 Lab File: VU058492.D
 Acq: 09 Apr 2024 00:52

Instrument :
 MSVOA_U
 ClientSampleId :

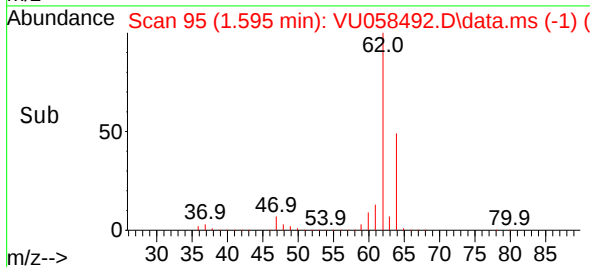
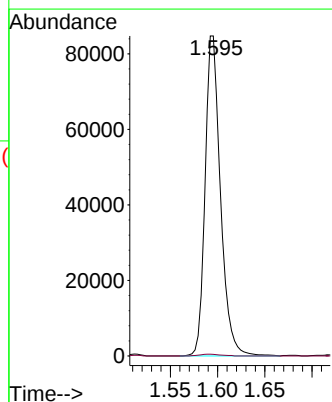
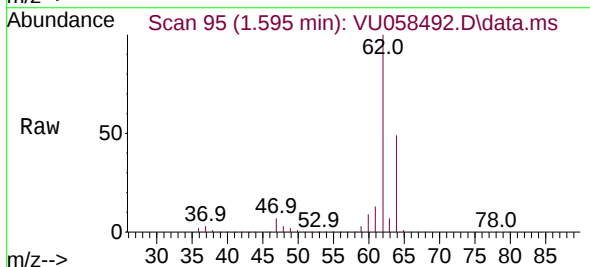


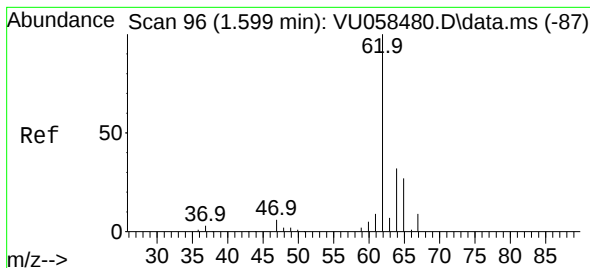
Tgt Ion: 85 Resp: 762
 Ion Ratio Lower Upper
 85 100
 87 32.4 25.9 38.9



#3
 Chloromethane
 Concen: 12.717 ug/L
 RT: 1.595 min Scan# 95
 Delta R.T. 0.080 min
 Lab File: VU058492.D
 Acq: 09 Apr 2024 00:52

Tgt Ion: 50 Resp: 95949
 Ion Ratio Lower Upper
 50 100
 52 0.5 22.6 42.0#





#5

Vinyl chloride

Concen: 1557.553 ug/L

RT: 1.589 min Scan# 96

Delta R.T. -0.010 min

Lab File: VU058492.D

Acq: 09 Apr 2024 00:52

Instrument :

MSVOA_U

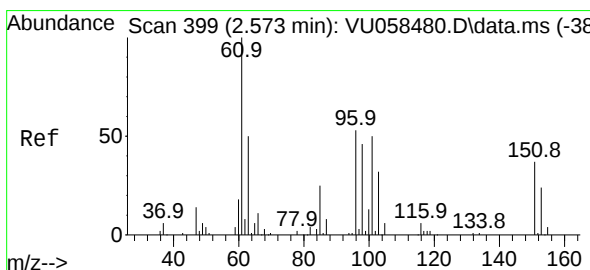
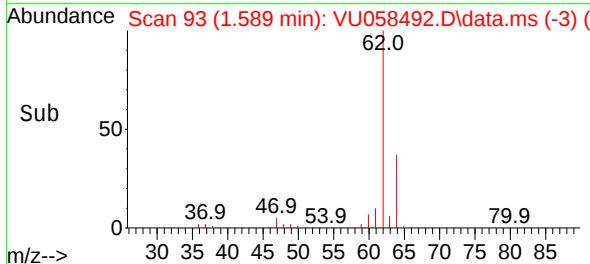
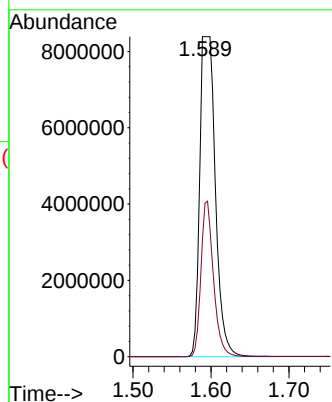
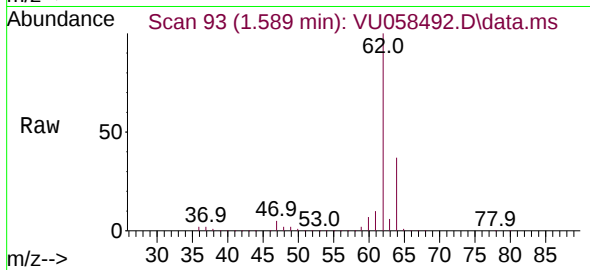
ClientSampleId :

Tgt Ion: 62 Resp:11736333

Ion Ratio Lower Upper

62 100

64 36.6 22.6 42.0



#10

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

Concen: 0.208 ug/L

RT: 2.576 min Scan# 400

Delta R.T. 0.003 min

Lab File: VU058492.D

Acq: 09 Apr 2024 00:52

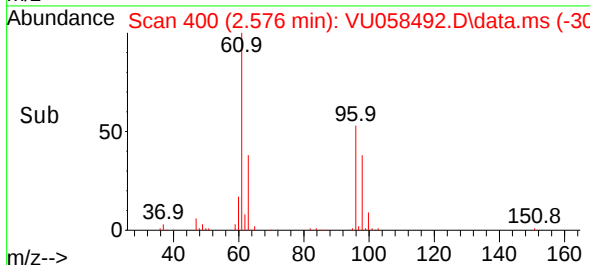
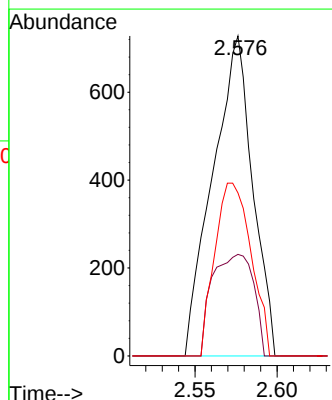
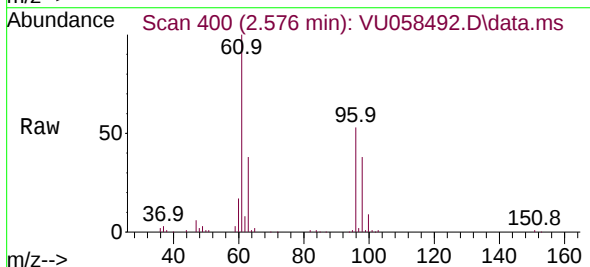
Tgt Ion:101 Resp: 1227

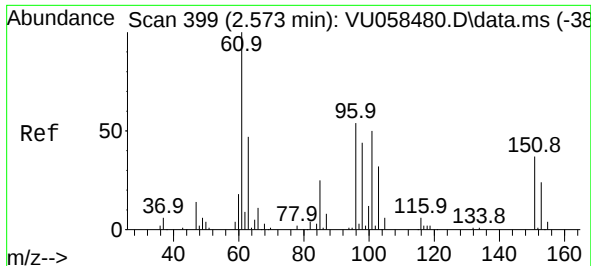
Ion Ratio Lower Upper

101 100

85 32.8 36.8 55.2#

151 49.2 58.2 87.4#





#12

1,1-Dichloroethene

Concen: 10.171 ug/L

RT: 2.573 min Scan# 399

Delta R.T. -0.000 min

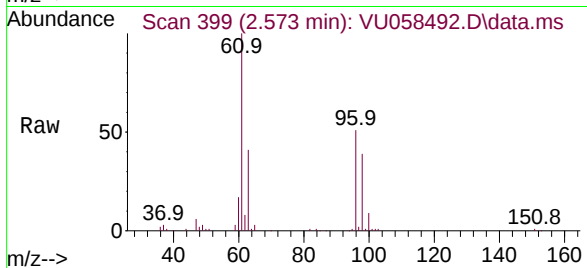
Lab File: VU058492.D

Acq: 09 Apr 2024 00:52

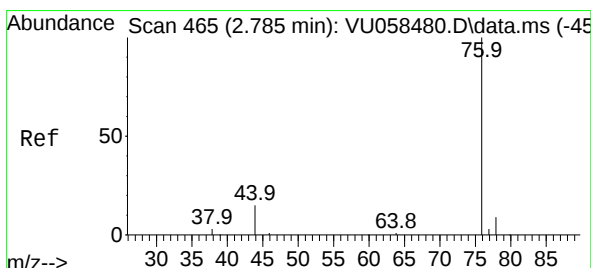
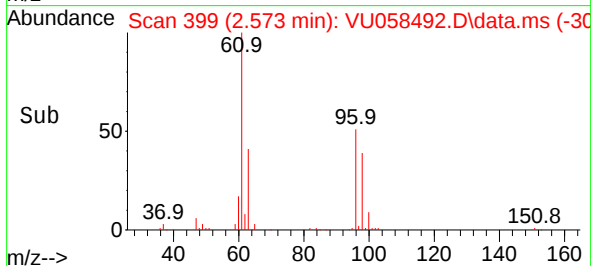
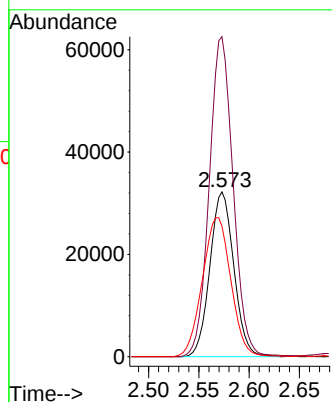
Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:	96	Resp:	53316
Ion Ratio	Lower	Upper	
96	100		
61	194.2	132.5	246.1
63	79.1	87.7	162.9#



#14

Carbon disulfide

Concen: 0.221 ug/L

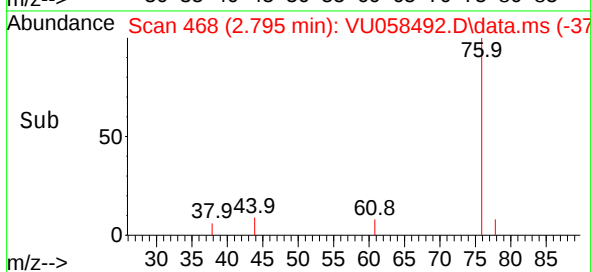
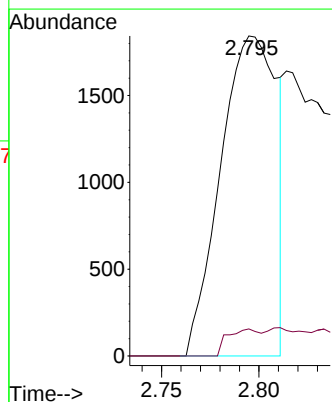
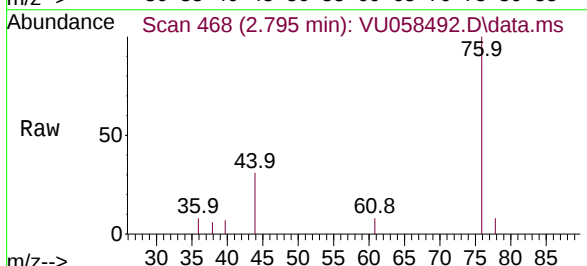
RT: 2.795 min Scan# 468

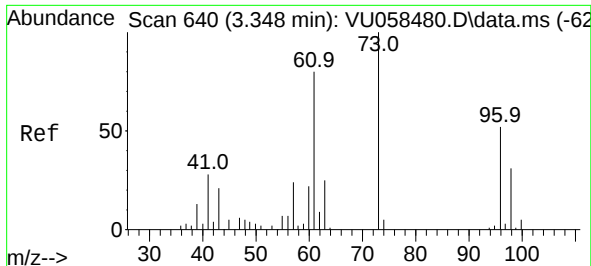
Delta R.T. 0.010 min

Lab File: VU058492.D

Acq: 09 Apr 2024 00:52

Tgt Ion:	76	Resp:	3684
Ion Ratio	Lower	Upper	
76	100		
78	8.5	7.5	11.3

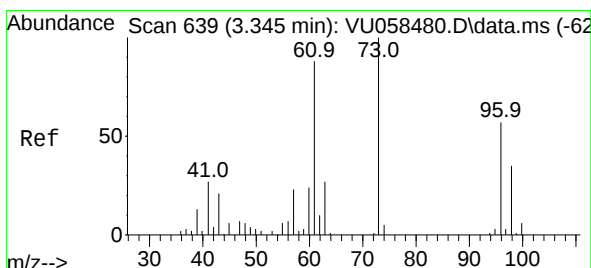
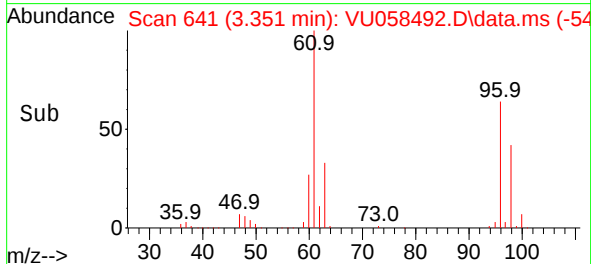
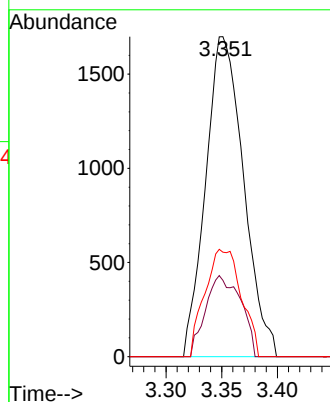
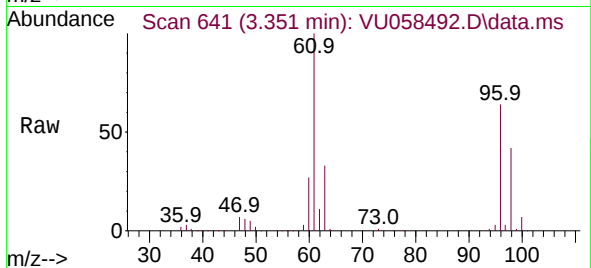




#17
Methyl tert-butyl Ether
Concen: 0.324 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU058492.D
Acq: 09 Apr 2024 00:52

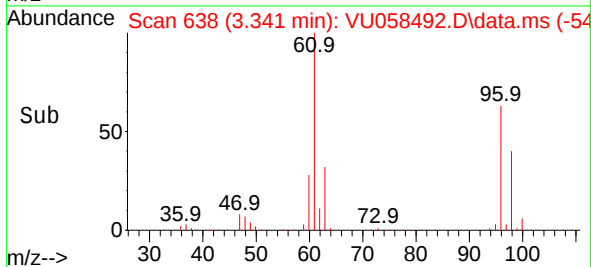
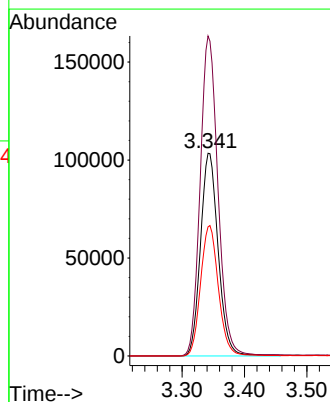
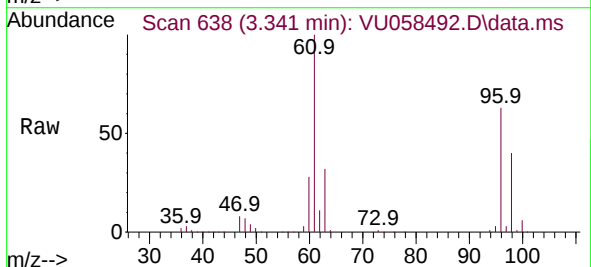
Instrument :
MSVOA_U
ClientSampleId :

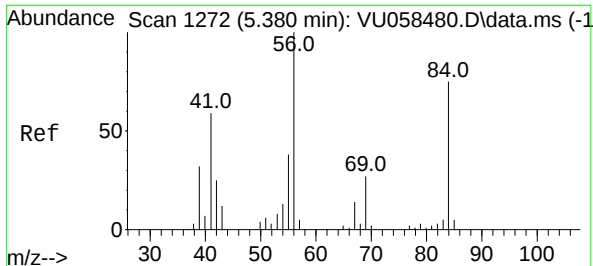
Tgt Ion: 73 Resp: 4015
Ion Ratio Lower Upper
73 100
43 23.5 17.4 26.2
57 32.2 18.6 27.8#



#18
trans-1,2-Dichloroethene
Concen: 37.132 ug/L
RT: 3.341 min Scan# 638
Delta R.T. -0.003 min
Lab File: VU058492.D
Acq: 09 Apr 2024 00:52

Tgt Ion: 96 Resp: 203993
Ion Ratio Lower Upper
96 100
61 157.8 107.6 199.8
98 63.7 45.1 83.7





#30

Cyclohexane

Concen: 0.169 ug/L

RT: 5.377 min Scan# 1691

Delta R.T. -0.003 min

Lab File: VU058492.D

Acq: 09 Apr 2024 00:52

Instrument :

MSVOA_U

ClientSampleId :

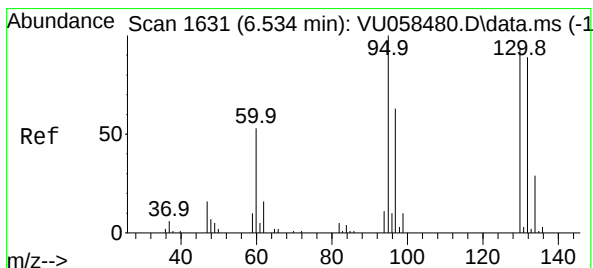
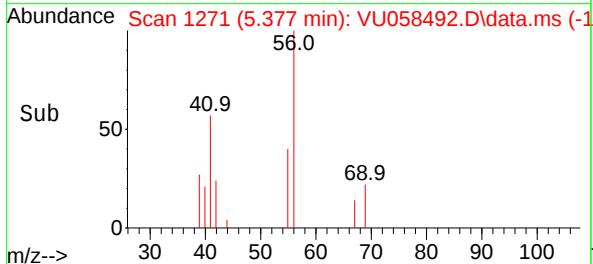
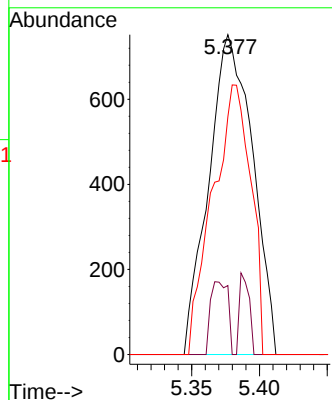
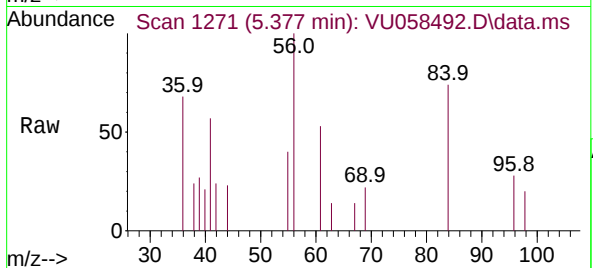
Tgt Ion: 56 Resp: 1691

Ion Ratio Lower Upper

56 100

69 5.6 23.2 34.8#

84 73.4 63.3 94.9



#34

Trichloroethene

Concen: 9.753 ug/L

RT: 6.534 min Scan# 1631

Delta R.T. -0.000 min

Lab File: VU058492.D

Acq: 09 Apr 2024 00:52

Tgt Ion: 95 Resp: 62832

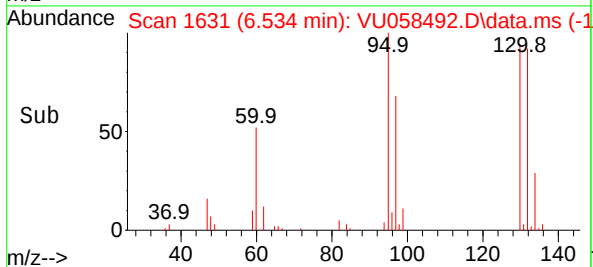
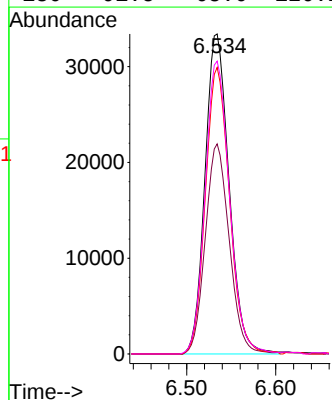
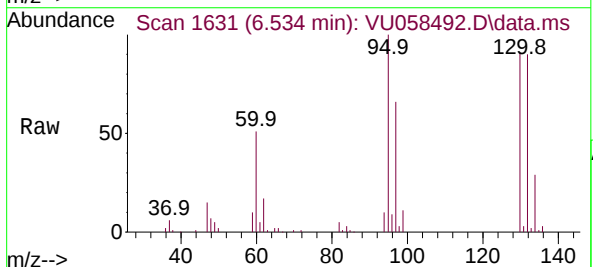
Ion Ratio Lower Upper

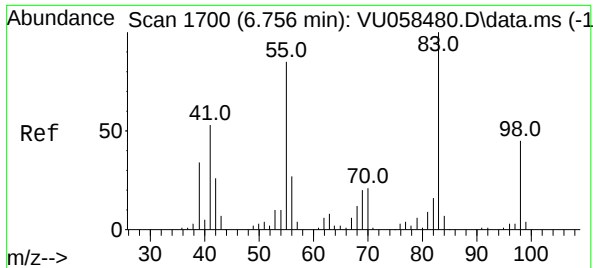
95 100

97 65.7 45.6 84.6

132 89.5 64.8 120.3

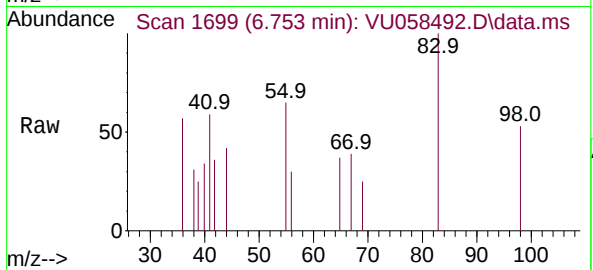
130 91.5 68.0 126.2



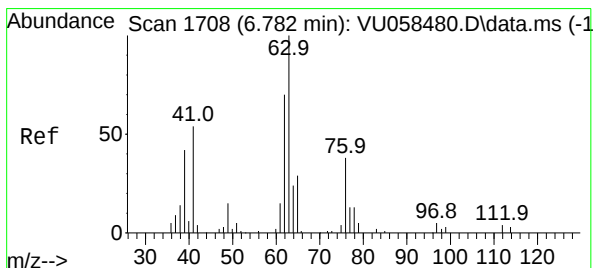
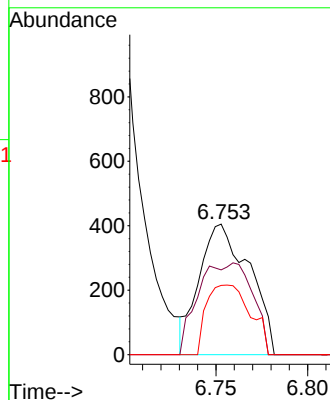
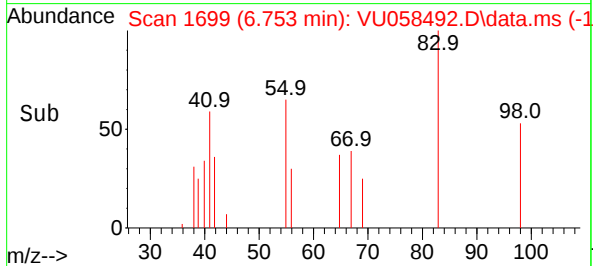


#35
Methylcyclohexane
Concen: 0.079 ug/L
RT: 6.753 min Scan# 1699
Delta R.T. -0.003 min
Lab File: VU058492.D
Acq: 09 Apr 2024 00:52

Instrument :
MSVOA_U
ClientSampleId :

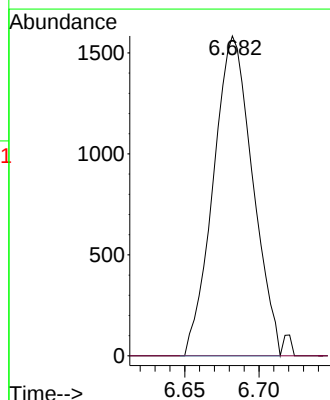
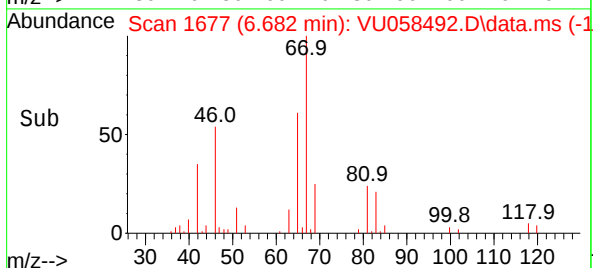
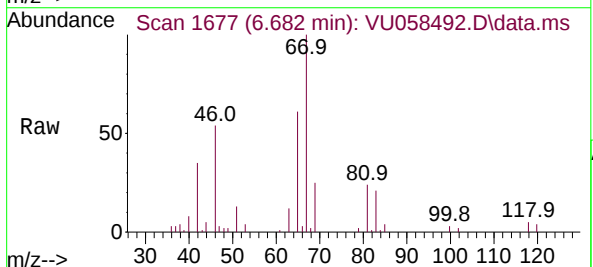


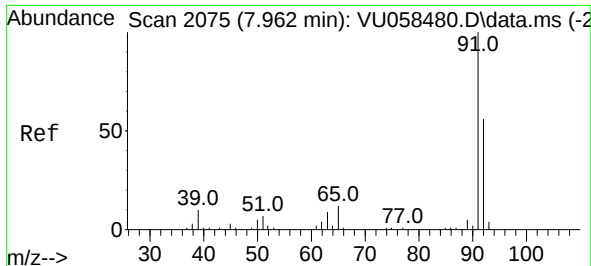
Tgt Ion: 83 Resp: 771
Ion Ratio Lower Upper
83 100
55 76.1 66.2 99.4
98 46.4 34.6 52.0



#37
1,2-Dichloropropane
Concen: 0.434 ug/L
RT: 6.682 min Scan# 1677
Delta R.T. -0.100 min
Lab File: VU058492.D
Acq: 09 Apr 2024 00:52

Tgt Ion: 63 Resp: 2917
Ion Ratio Lower Upper
63 100
112 0.0 2.6 4.0#





#42

Toluene

Concen: 0.218 ug/L

RT: 7.965 min Scan# 2075

Delta R.T. 0.003 min

Lab File: VU058492.D

Acq: 09 Apr 2024 00:52

Instrument :

MSVOA_U

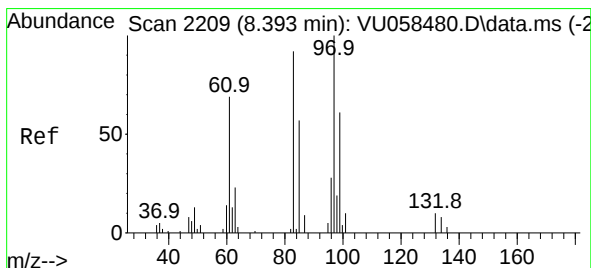
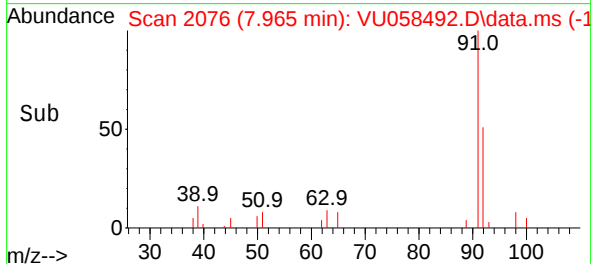
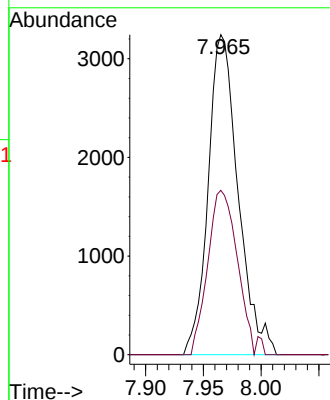
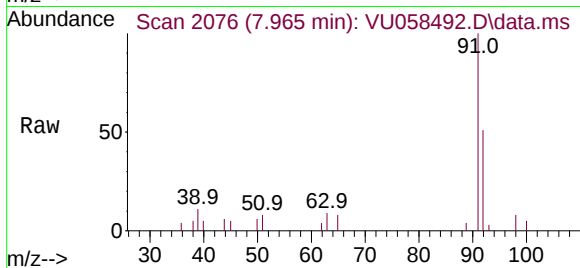
ClientSampleId :

Tgt Ion: 91 Resp: 5850

Ion Ratio Lower Upper

91 100

92 51.4 39.5 73.3



#45

1,1,2-Trichloroethane

Concen: 0.150 ug/L

RT: 8.544 min Scan# 2256

Delta R.T. 0.151 min

Lab File: VU058492.D

Acq: 09 Apr 2024 00:52

Tgt Ion: 97 Resp: 591

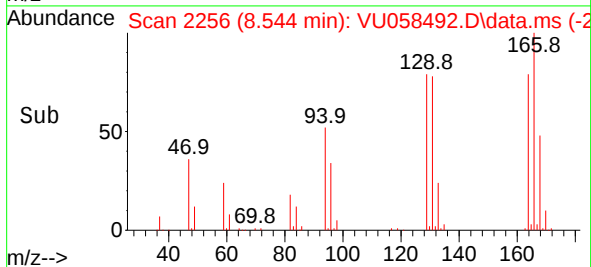
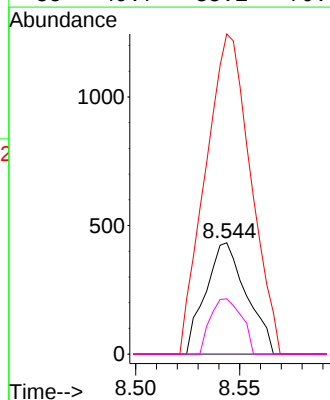
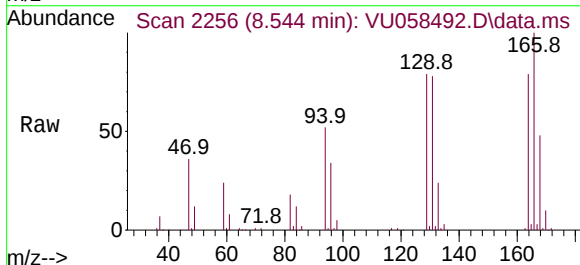
Ion Ratio Lower Upper

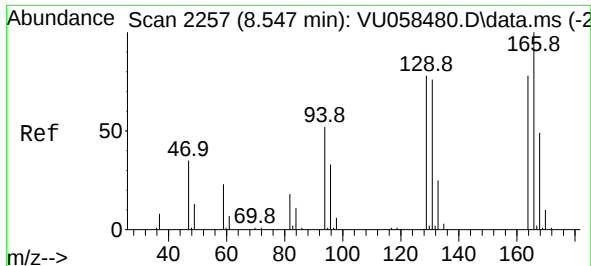
97 100

99 0.0 43.7 81.1#

83 287.5 64.5 119.7#

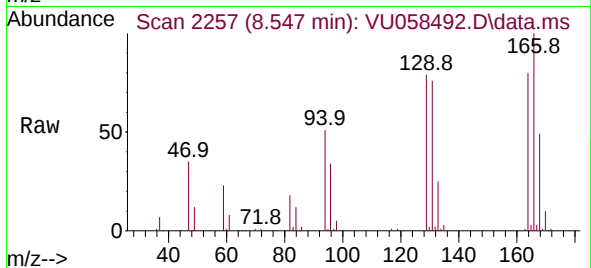
85 49.7 38.1 70.9



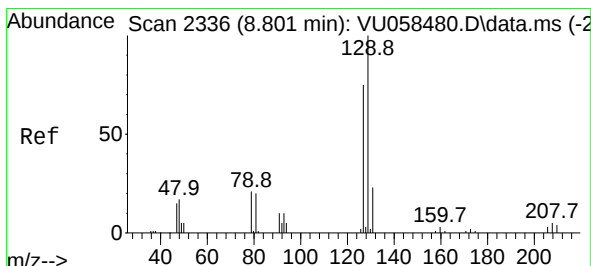
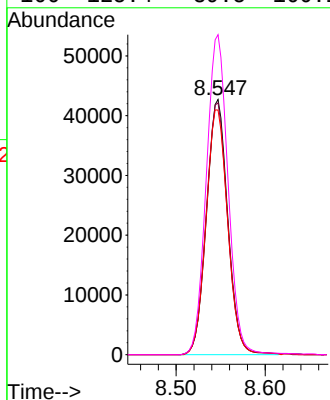
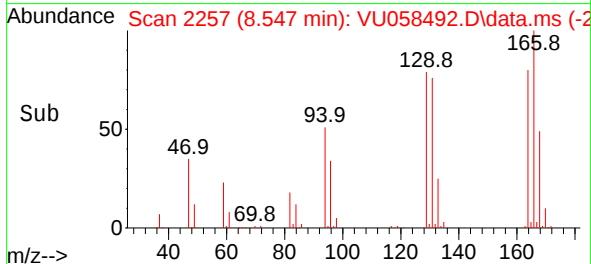


#47
Tetrachloroethene
Concen: 15.009 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.000 min
Lab File: VU058492.D
Acq: 09 Apr 2024 00:52

Instrument :
MSVOA_U
ClientSampleId :

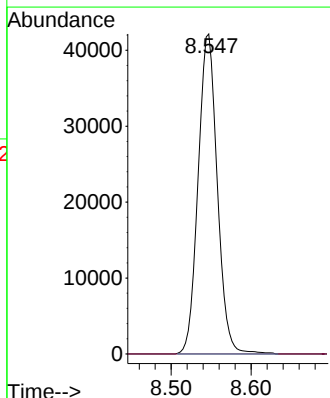
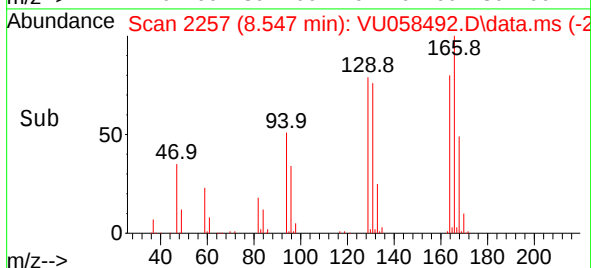
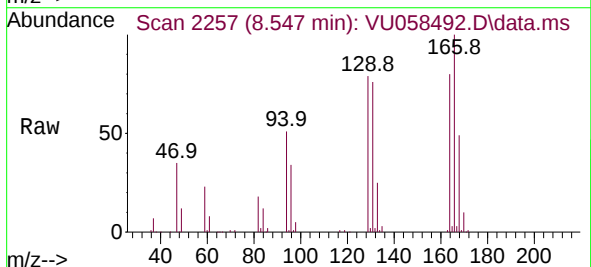


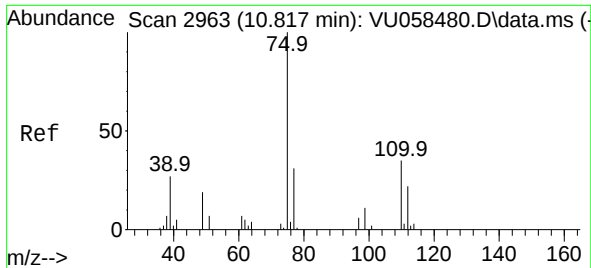
Tgt Ion:164 Resp: 70885
Ion Ratio Lower Upper
164 100
129 98.7 67.3 125.1
131 95.9 65.5 121.6
166 125.4 89.5 166.1



#49
Dibromochloromethane
Concen: 15.511 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.254 min
Lab File: VU058492.D
Acq: 09 Apr 2024 00:52

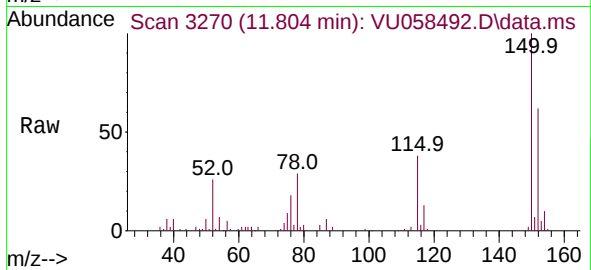
Tgt Ion:129 Resp: 70428
Ion Ratio Lower Upper
129 100
127 0.0 53.5 99.5#





#61
1,2,3-Trichloropropane
Concen: 1.333 ug/L
RT: 11.804 min Scan# 31
Delta R.T. 0.987 min
Lab File: VU058492.D
Acq: 09 Apr 2024 00:52

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 75 Resp: 4109
Ion Ratio Lower Upper
75 100
110 0.0 25.8 38.6#
77 30.4 25.1 37.7

