

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101123\
 Data File : VU055747.D
 Acq On : 11 Oct 2023 14:58
 Operator : MD/SY
 Sample : 04792-05
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EY1B3

Quant Time: Oct 12 01:56:42 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 12 01:53:31 2023
 Response via : Initial Calibration

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

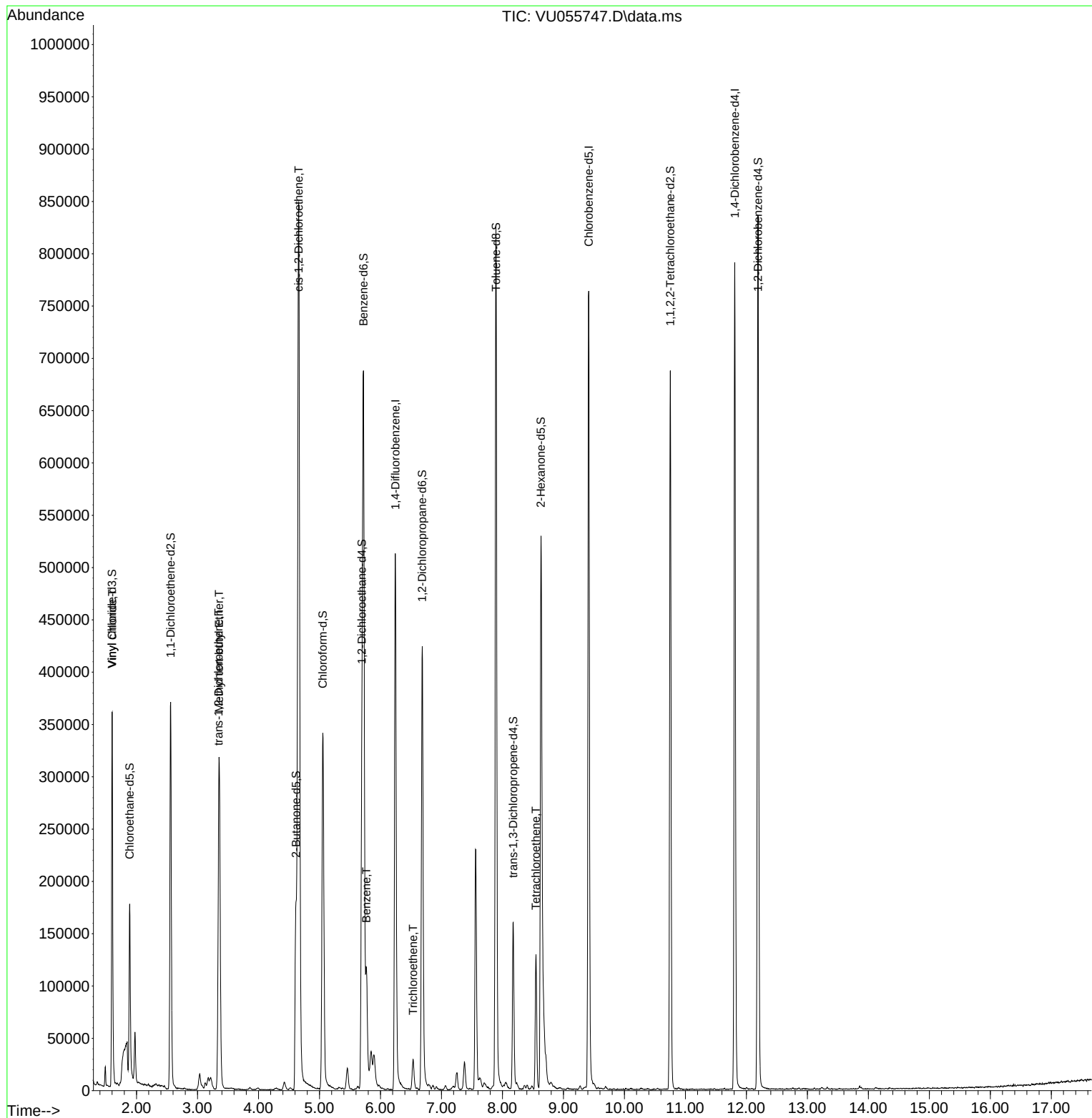
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	415236	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	417490	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	200115	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	155946	41.870	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.740%
7) Chloroethane-d5	1.888	69	131739	43.271	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.540%
11) 1,1-Dichloroethene-d2	2.560	63	220706	33.234	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.460%
21) 2-Butanone-d5	4.615	46	255092	92.431	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	92.430%
24) Chloroform-d	5.055	84	322412	45.155	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.300%
26) 1,2-Dichloroethane-d4	5.695	65	214378	48.779	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.560%
32) Benzene-d6	5.721	84	636002	47.613	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.220%
36) 1,2-Dichloropropane-d6	6.685	67	202066	47.783	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.560%
41) Toluene-d8	7.894	98	550032	45.602	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.200%
43) trans-1,3-Dichloroprop...	8.177	79	89812	44.212	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.420%
47) 2-Hexanone-d5	8.630	63	175094	105.323	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.320%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	338630	52.024	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.040%
66) 1,2-Dichlorobenzene-d4	12.190	152	211827	53.341	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.680%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.602	62	110810	30.778	ug/L	98
17) trans-1,2-Dichloroethene	3.348	96	4058	1.348	ug/L	99
18) Methyl tert-butyl Ether	3.354	73	318334	32.883	ug/L	95
20) cis-1,2-Dichloroethene	4.660	96	440528	128.227	ug/L	98
33) Benzene	5.769	78	108354	8.210	ug/L	100
34) Trichloroethene	6.537	95	6821	1.889	ug/L	85
46) Tetrachloroethene	8.550	164	27174	10.511	ug/L	94

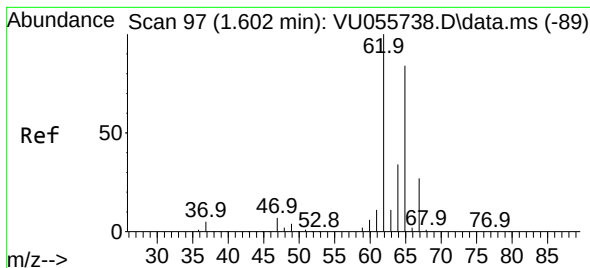
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Thu Oct 12 01:53:31 2023
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 30.778 ug/L

RT: 1.602 min Scan# 91

Delta R.T. -0.000 min

Lab File: VU055747.D

Acq: 11 Oct 2023 14:58

Instrument :

MSVOA_U

ClientSampleId :

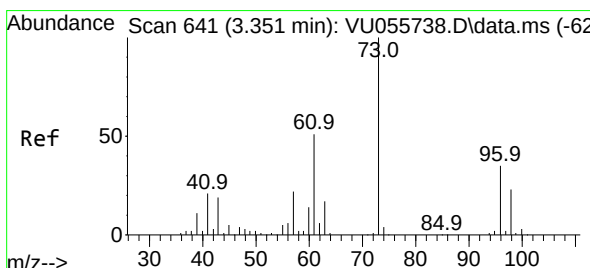
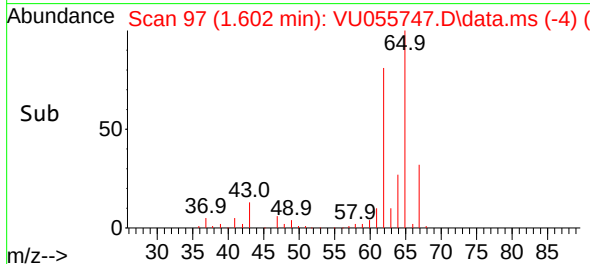
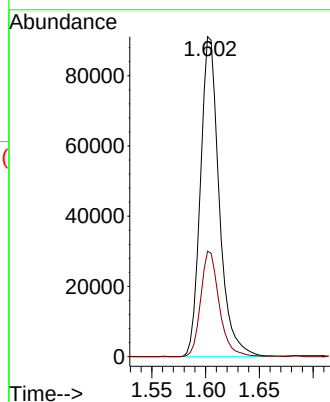
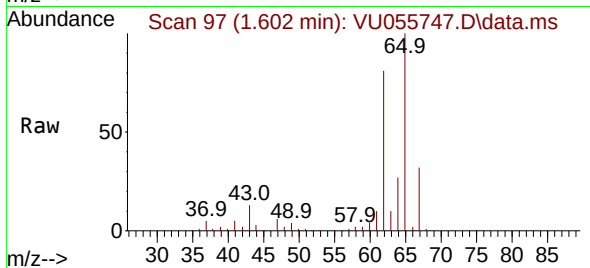
EY1B3

Tgt Ion: 62 Resp: 110810

Ion Ratio Lower Upper

62 100

64 32.9 23.9 44.5



#17

trans-1,2-Dichloroethene

Concen: 1.348 ug/L

RT: 3.348 min Scan# 640

Delta R.T. -0.003 min

Lab File: VU055747.D

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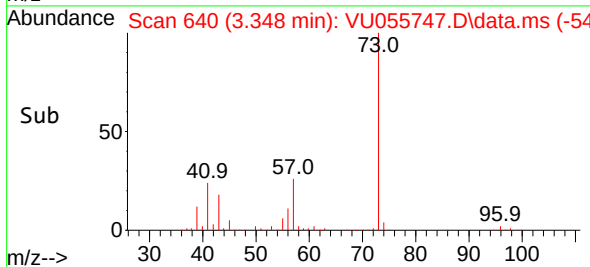
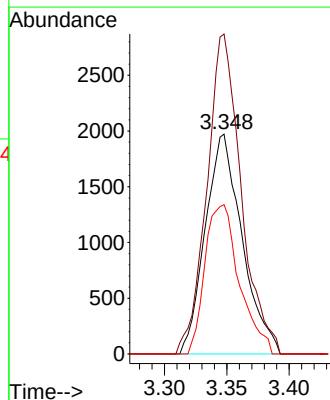
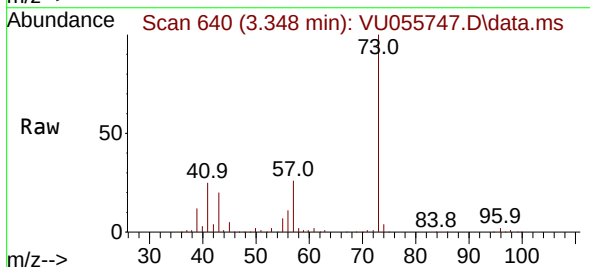
Tgt Ion: 96 Resp: 4058

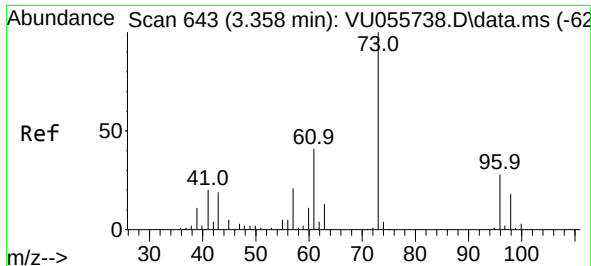
Ion Ratio Lower Upper

96 100

61 145.5 102.1 189.7

98 67.9 46.3 86.1

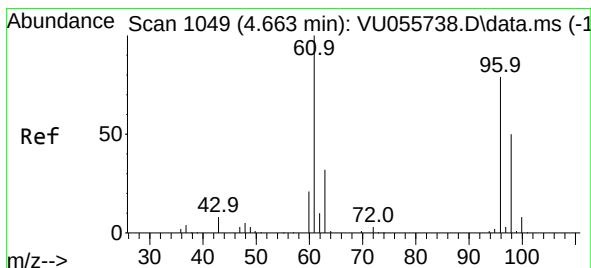
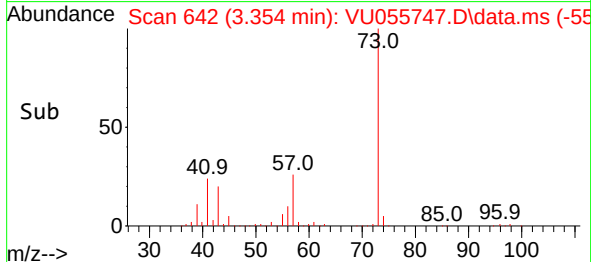
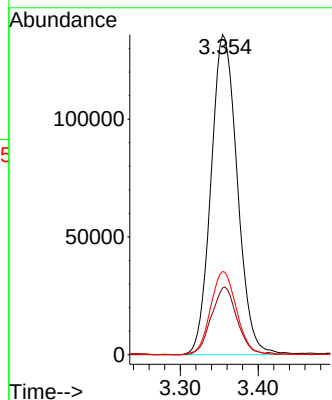
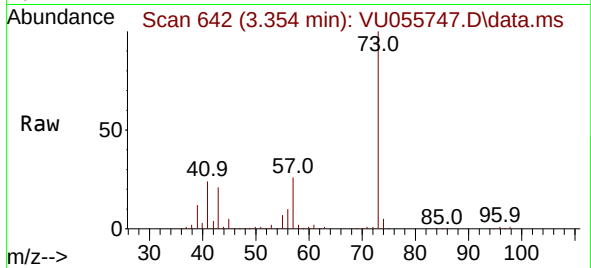




#18
Methyl tert-butyl Ether
Concen: 32.883 ug/L
RT: 3.354 min Scan# 64
Delta R.T. -0.003 min
Lab File: VU055747.D
Acq: 11 Oct 2023 14:58

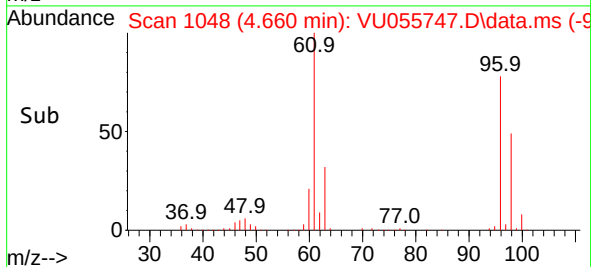
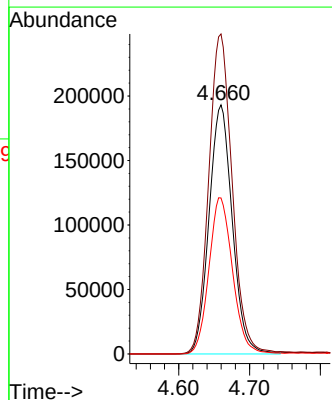
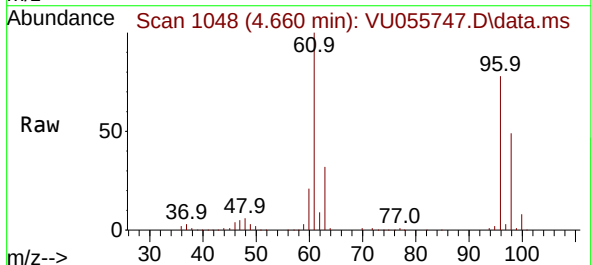
Instrument :
MSVOA_U
ClientSampleId :
EY1B3

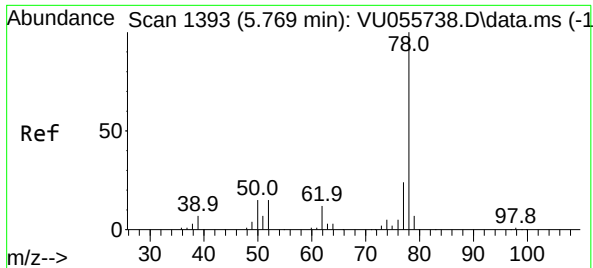
Tgt Ion: 73 Resp: 318334
Ion Ratio Lower Upper
73 100
43 20.7 15.4 23.2
57 25.7 17.7 26.5



#20
cis-1,2-Dichloroethene
Concen: 128.227 ug/L
RT: 4.660 min Scan# 1048
Delta R.T. -0.003 min
Lab File: VU055747.D
Acq: 11 Oct 2023 14:58

Tgt Ion: 96 Resp: 440528
Ion Ratio Lower Upper
96 100
61 128.5 92.3 171.5
98 62.6 43.9 81.5

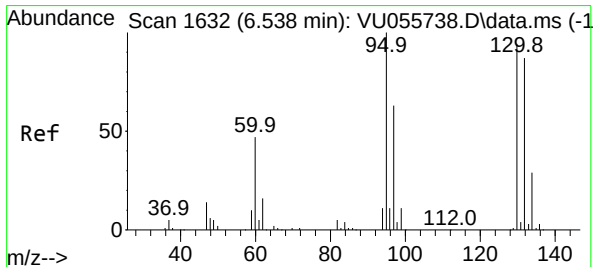
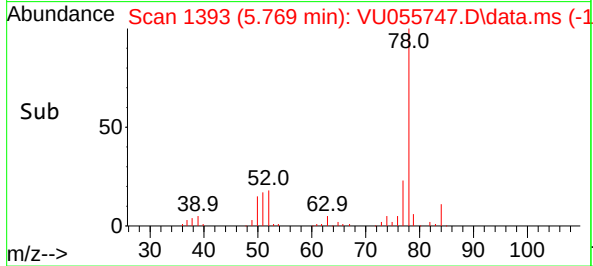
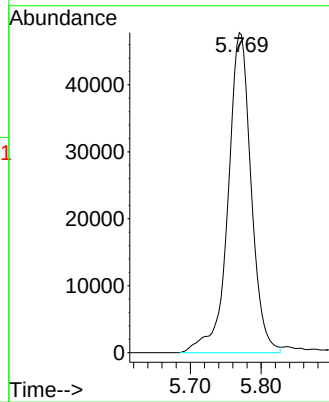
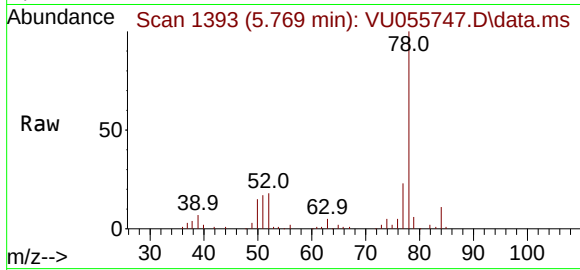




#33
Benzene
Concen: 8.210 ug/L
RT: 5.769 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU055747.D
Acq: 11 Oct 2023 14:58

Instrument :
MSVOA_U
ClientSampleId :
EY1B3

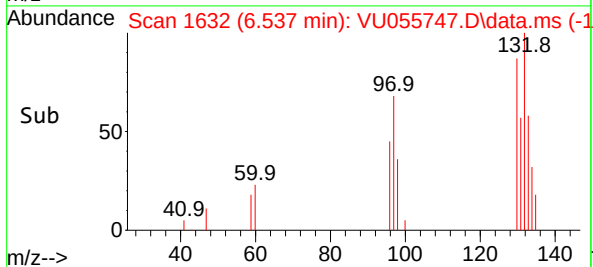
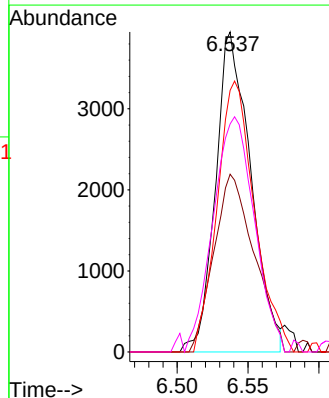
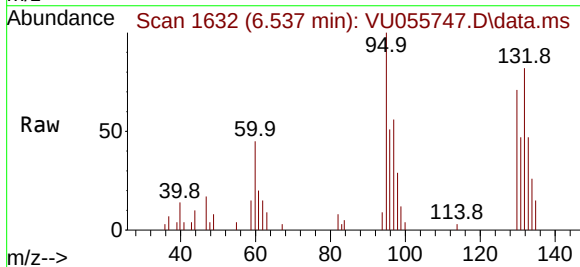
Tgt Ion: 78 Resp: 108354

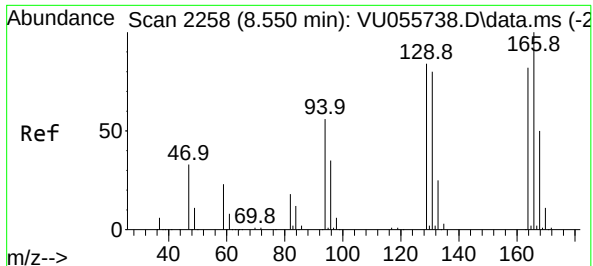


#34
Trichloroethene
Concen: 1.889 ug/L
RT: 6.537 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VU055747.D
Acq: 11 Oct 2023 14:58

Tgt Ion: 95 Resp: 6821

Ion	Ratio	Lower	Upper
95	100		
97	55.5	44.4	82.5
132	81.8	61.8	114.8
130	71.3	66.6	123.8





#46
 Tetrachloroethene
 Concen: 10.511 ug/L
 RT: 8.550 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VU055747.D
 Acq: 11 Oct 2023 14:58

Instrument :
 MSVOA_U
 ClientSampleId :
 EY1B3

Tgt Ion:164	Resp:	27174
Ion	Ratio	Lower Upper
164	100	
129	102.6	70.7 131.3
131	100.7	65.9 122.5
166	135.3	87.8 163.0

