

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100521\
 Data File : VU045171.D
 Acq On : 06 Oct 2021 01:53
 Operator : SY/MD
 Sample : M3996-18
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F4A37

Quant Time: Oct 06 04:40:30 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 06 01:40:56 2021
 Response via : Initial Calibration

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

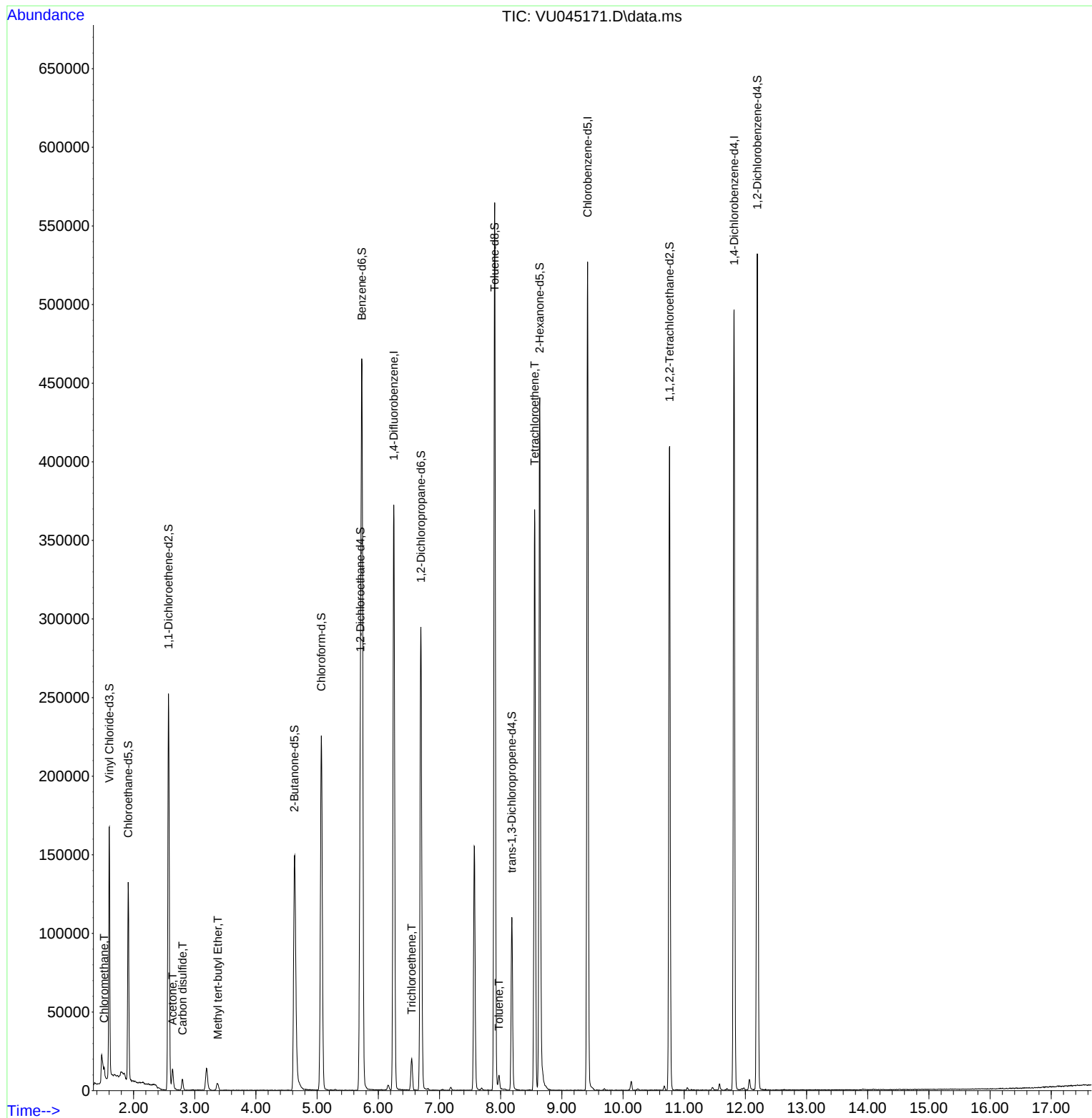
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	293879	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	275513	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	123927	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	102232	31.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	63.56%
7) Chloroethane-d5	1.913	69	94763	37.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	74.34%
11) 1,1-Dichloroethene-d2	2.572	63	150865	27.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	55.84%#
21) 2-Butanone-d5	4.629	46	222549	87.50	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.50%
24) Chloroform-d	5.070	84	203844	40.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.24%
26) 1,2-Dichloroethane-d4	5.707	65	145098	42.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.32%
32) Benzene-d6	5.732	84	415395	43.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.90%
36) 1,2-Dichloropropane-d6	6.697	67	133988	42.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.96%
41) Toluene-d8	7.903	98	359259	43.54	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.08%
43) trans-1,3-Dichloroprop...	8.182	79	58835	42.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.86%
47) 2-Hexanone-d5	8.639	63	154820	89.62	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.62%
56) 1,1,2,2-Tetrachloroeth...	10.761	84	203009	41.82	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	83.64%
66) 1,2-Dichlorobenzene-d4	12.195	152	128255	47.55	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.10%
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	3106	0.89	ug/L	100
13) Acetone	2.639	43	16126	5.49	ug/L	99
14) Carbon disulfide	2.800	76	8260	1.13	ug/L	99
18) Methyl tert-butyl Ether	3.375	73	4817	0.61	ug/L	99
34) Trichloroethene	6.546	95	6122	2.49	ug/L	96
42) Toluene	7.973	91	6189	0.60	ug/L	99
46) Tetrachloroethene	8.555	164	76293	43.49	ug/L	97

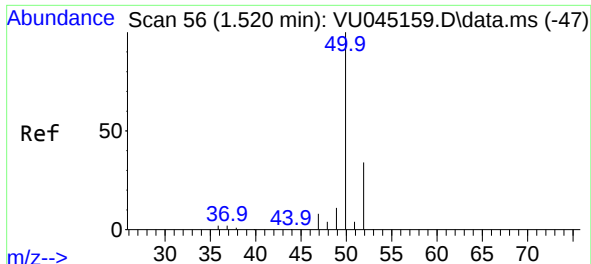
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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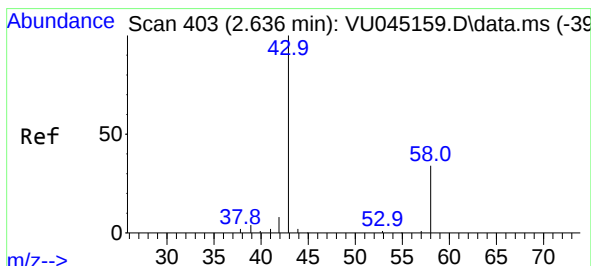
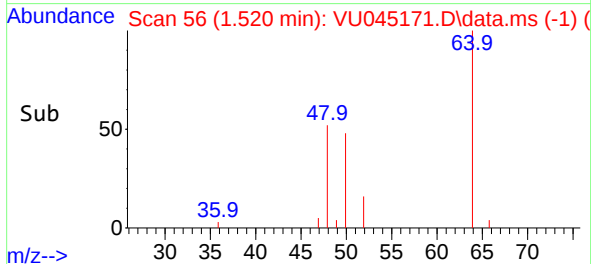
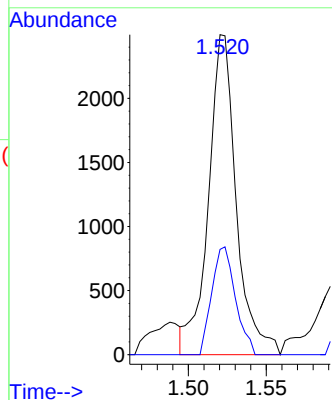
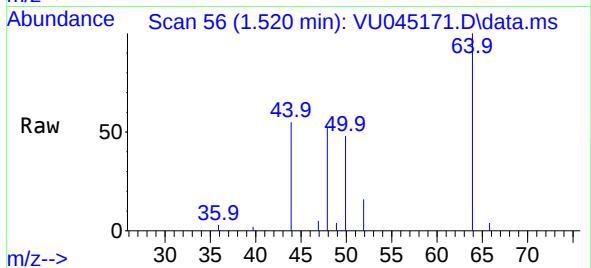




#3
Chloromethane
Concen: 0.89 ug/L
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU045171.D
Acq: 06 Oct 2021 01:53

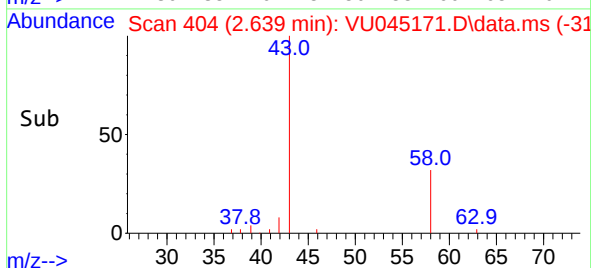
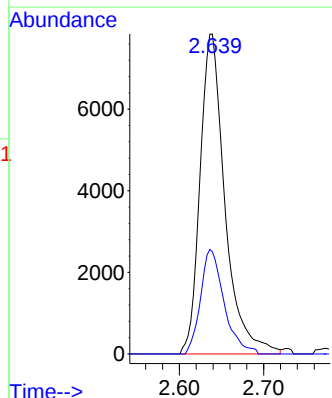
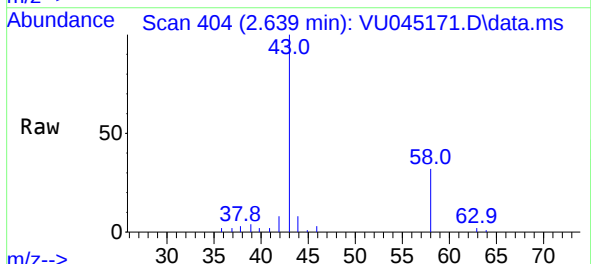
Instrument :
MSVOA_U
ClientSampled :
F4A37

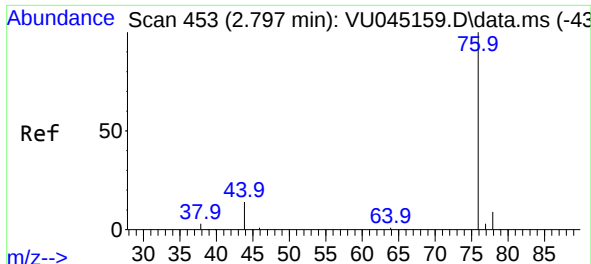
Tgt Ion: 50 Resp: 3106
Ion Ratio Lower Upper
50 100
52 32.9 23.0 42.8



#13
Acetone
Concen: 5.49 ug/L
RT: 2.639 min Scan# 404
Delta R.T. 0.003 min
Lab File: VU045171.D
Acq: 06 Oct 2021 01:53

Tgt Ion: 43 Resp: 16126
Ion Ratio Lower Upper
43 100
58 30.8 0.0 62.8

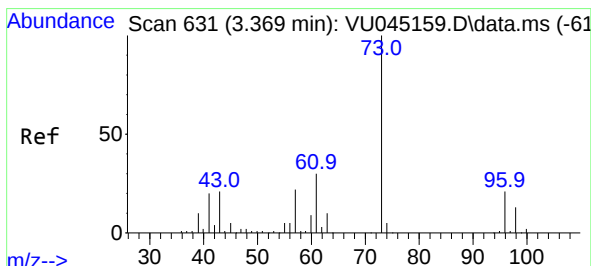
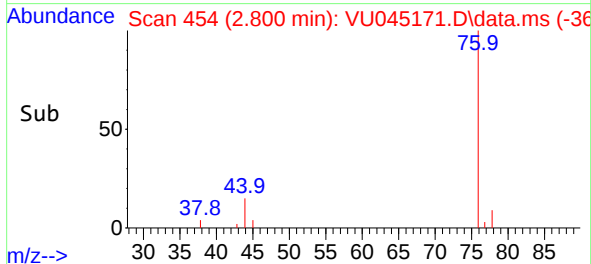
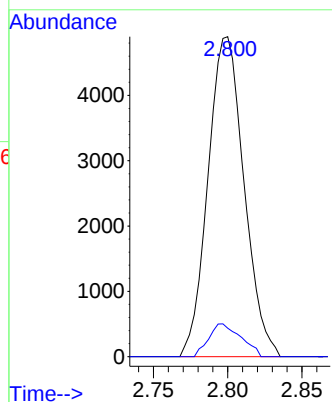
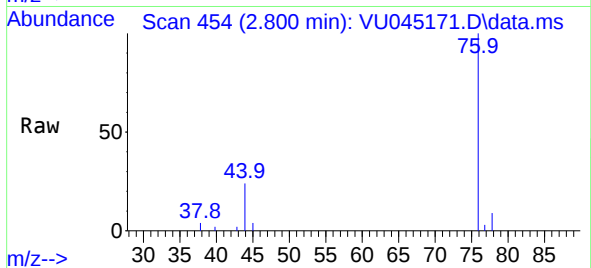




#14
Carbon disulfide
Concen: 1.13 ug/L
RT: 2.800 min Scan# 454
Delta R.T. 0.000 min
Lab File: VU045171.D
Acq: 06 Oct 2021 01:53

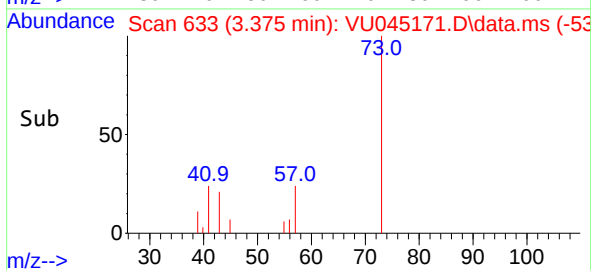
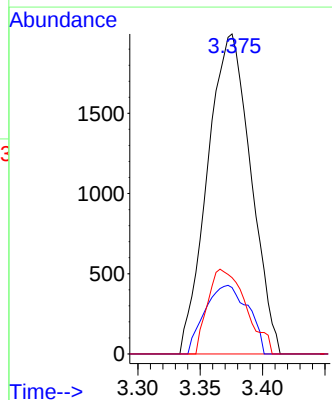
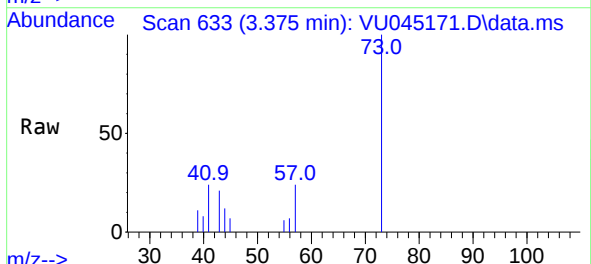
Instrument :
MSVOA_U
ClientSampleId :
F4A37

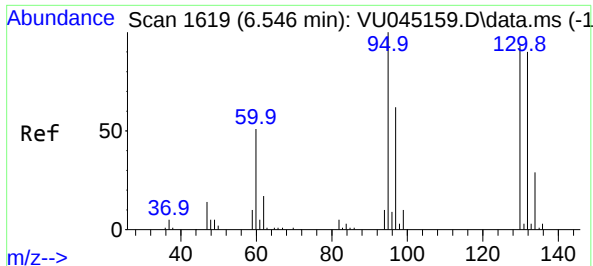
Tgt Ion: 76 Resp: 8260
Ion Ratio Lower Upper
76 100
78 8.9 7.3 10.9



#18
Methyl tert-butyl Ether
Concen: 0.61 ug/L
RT: 3.375 min Scan# 633
Delta R.T. 0.003 min
Lab File: VU045171.D
Acq: 06 Oct 2021 01:53

Tgt Ion: 73 Resp: 4817
Ion Ratio Lower Upper
73 100
43 21.4 17.3 25.9
57 22.3 18.7 28.1





#34

Trichloroethene

Concen: 2.49 ug/L

RT: 6.546 min Scan# 1619

Delta R.T. 0.000 min

Lab File: VU045171.D

Acq: 06 Oct 2021 01:53

Tgt Ion: 95 Resp: 6122

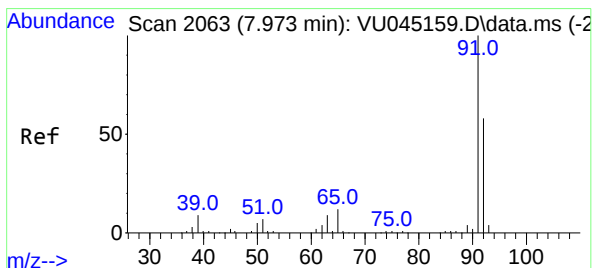
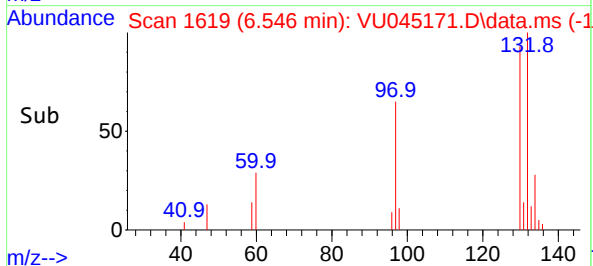
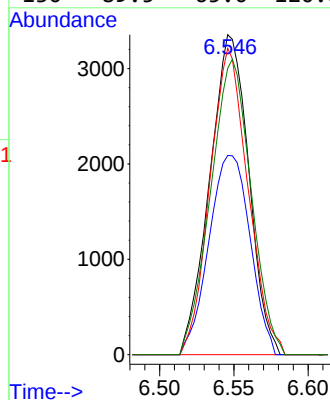
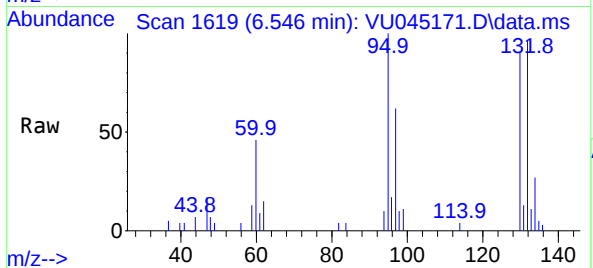
Ion Ratio Lower Upper

95 100

97 62.2 44.4 82.4

132 95.7 62.9 116.9

130 89.5 65.0 120.8



#42

Toluene

Concen: 0.60 ug/L

RT: 7.973 min Scan# 2063

Delta R.T. 0.000 min

Lab File: VU045171.D

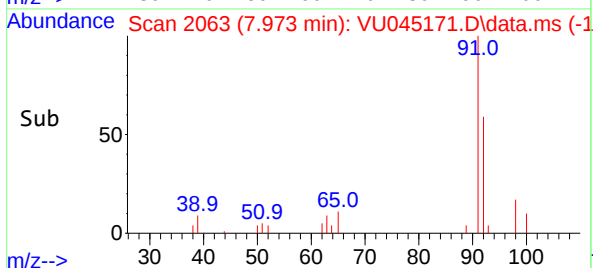
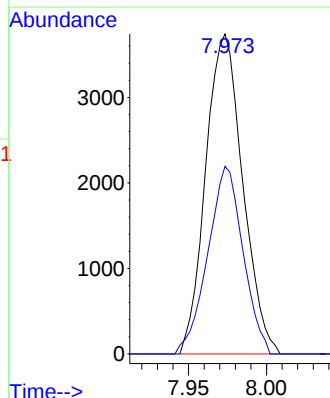
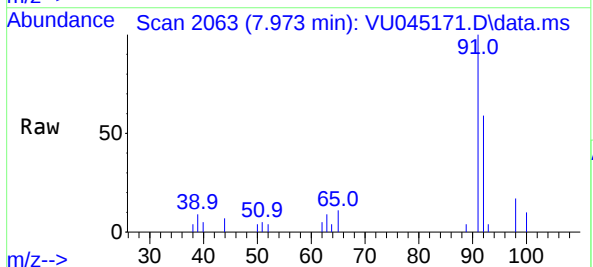
Acq: 06 Oct 2021 01:53

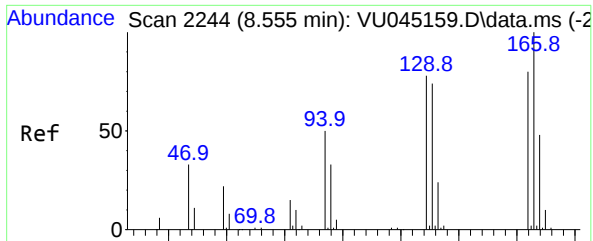
Tgt Ion: 91 Resp: 6189

Ion Ratio Lower Upper

91 100

92 58.6 40.5 75.1





#46
Tetrachloroethene
Concen: 43.49 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.003 min
Lab File: VU045171.D
Acq: 06 Oct 2021 01:53

Instrument :
MSVOA_U
ClientSampleId :
F4A37

Tgt Ion:164 Resp: 76293

Ion	Ratio	Lower	Upper
164	100		
129	96.5	69.8	129.6
131	95.0	66.4	123.2
166	125.6	91.1	169.3

