

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU071618\
 Data File : VU025443.D
 Acq On : 16 Jul 2018 22:59
 Operator : MD/SY
 Sample : J3984-09DL 40X
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DB183DL

Quant Time: Jul 17 03:57:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071618WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 17 02:54:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	334586	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	303721	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	130687	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	73589	40.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.80%
7) Chloroethane-d5	1.68	69	68857	46.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.22%
11) 1,1-Dichloroethene-d2	2.27	63	121504	31.25	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	62.50%
21) 2-Butanone-d5	4.18	46	171693	94.45	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	94.45%
24) Chloroform-d	4.65	84	186569	43.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.42%
26) 1,2-Dichloroethane-d4	5.31	65	135291	46.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.90%
32) Benzene-d6	5.35	84	364001	47.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.40%
36) 1,2-Dichloropropane-d6	6.33	67	122273	49.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.08%
41) Toluene-d8	7.57	98	344898	46.00	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.00%
43) trans-1,3-Dichloropropene-	7.85	79	52009	41.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.06%
47) 2-Hexanone-d5	8.31	63	128984	97.96	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.96%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	172772	45.59	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.18%
64) 1,2-Dichlorobenzene-d4	11.86	152	134764	49.35	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.70%

Target Compounds

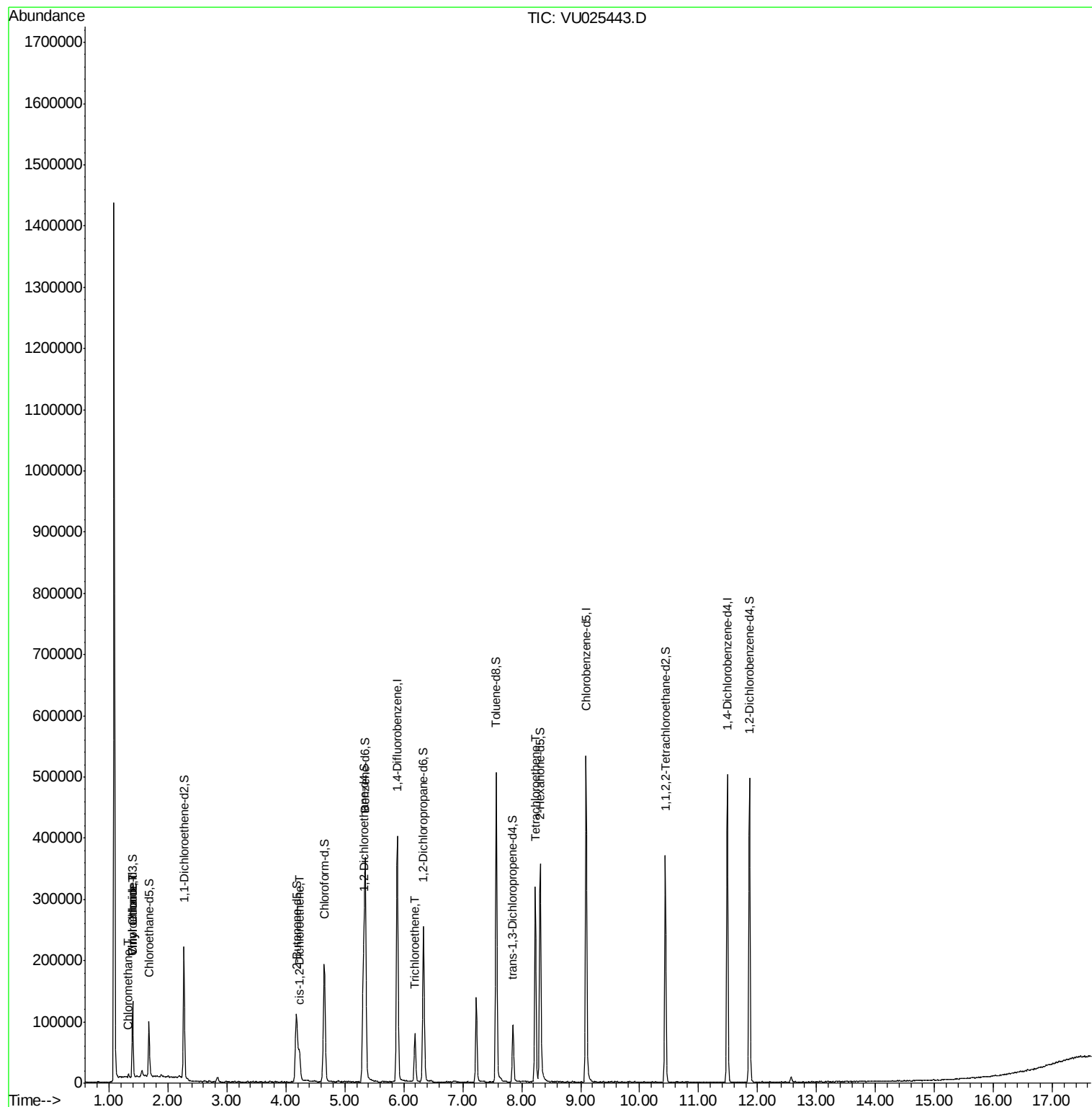
					Qvalue
3) Chloromethane	1.33	50	5223	1.667 ug/L	91
5) Vinyl chloride	1.40	62	8585	3.360 ug/L #	77
8) Chloroethane	1.40	64	4159	2.770 ug/L	85
20) cis-1,2-Dichloroethene	4.23	96	24182	9.419 ug/L	98
34) Trichloroethene	6.19	95	26960	11.396 ug/L	97
46) Tetrachloroethene	8.23	164	73503	37.489 ug/L	97

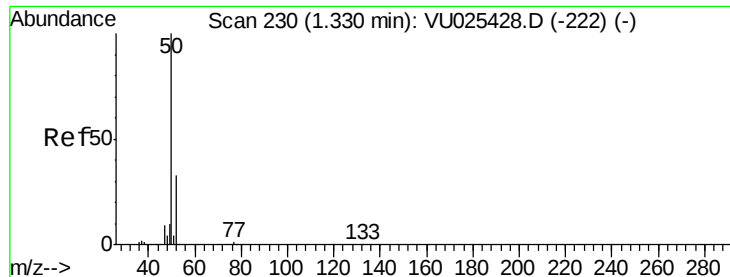
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 1.667 ug/L

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU025443.D

Acq: 16 Jul 2018 22:59

Instrument :

MSVOA_U

ClientSampleId :

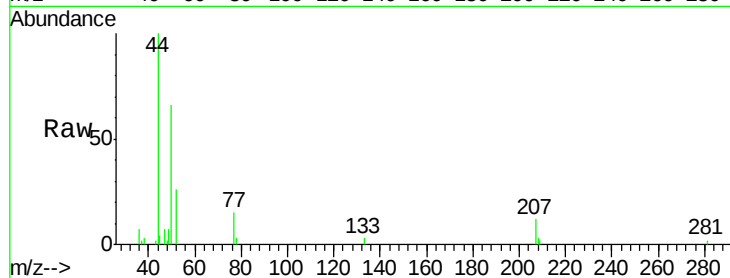
DB183DL

Tgt Ion: 50 Resp: 5223

Ion Ratio Lower Upper

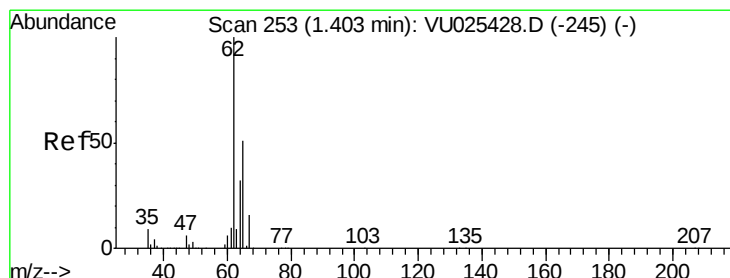
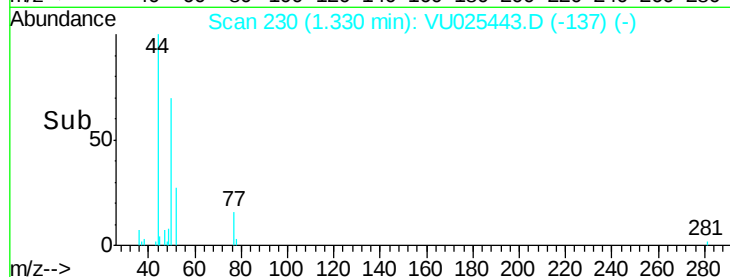
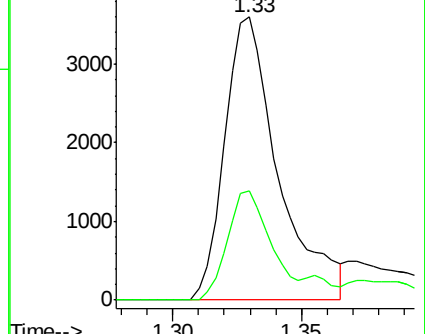
50 100

52 38.7 23.5 43.7



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#5

Vinyl chloride

Concen: 3.360 ug/L

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU025443.D

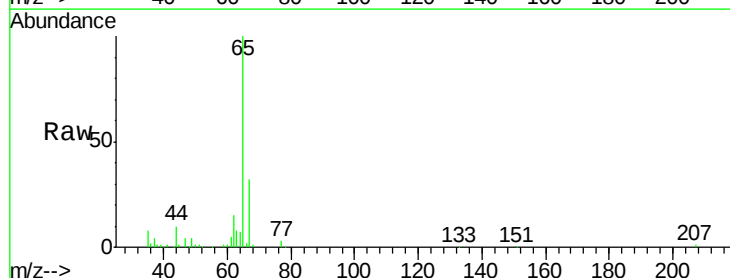
Acq: 16 Jul 2018 22:59

Tgt Ion: 62 Resp: 8585

Ion Ratio Lower Upper

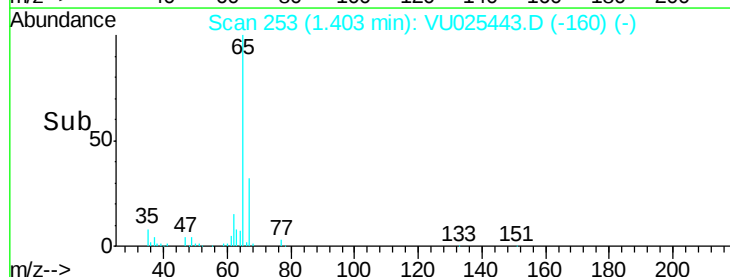
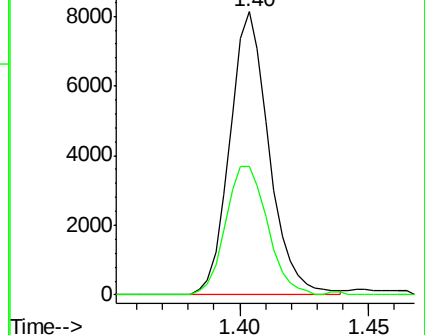
62 100

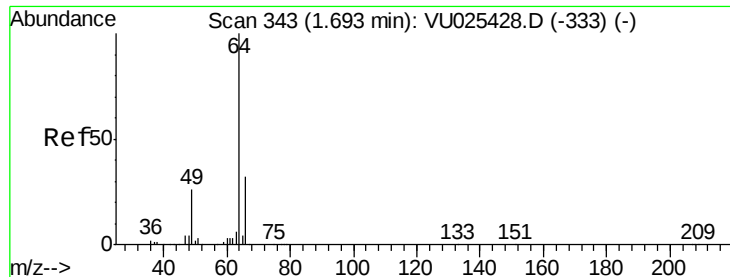
64 45.3 22.6 42.0#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

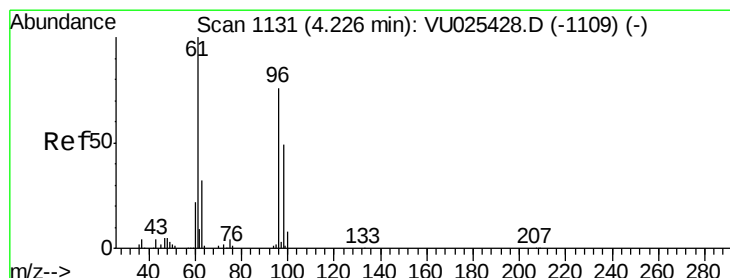
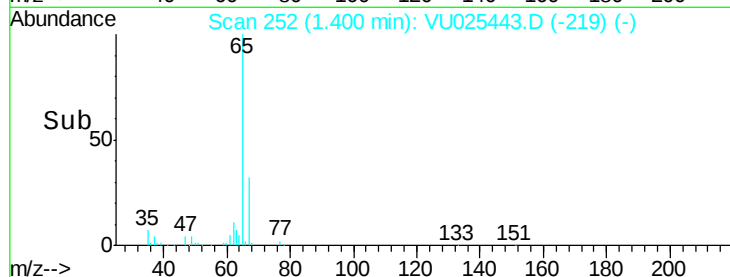
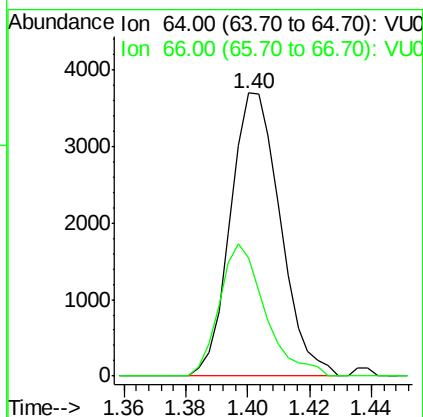
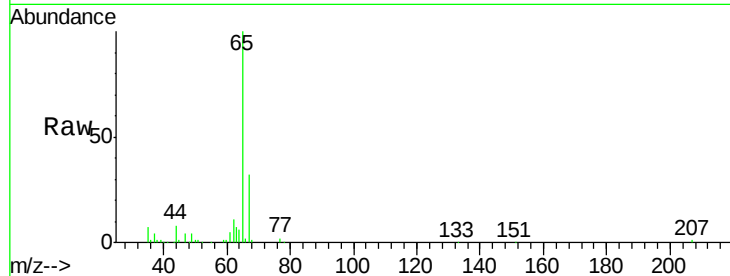




#8
Chloroethane
Concen: 2.770 ug/L
RT: 1.40 min Scan# 252
Delta R.T. -0.29 min
Lab File: VU025443.D
Acq: 16 Jul 2018 22:59

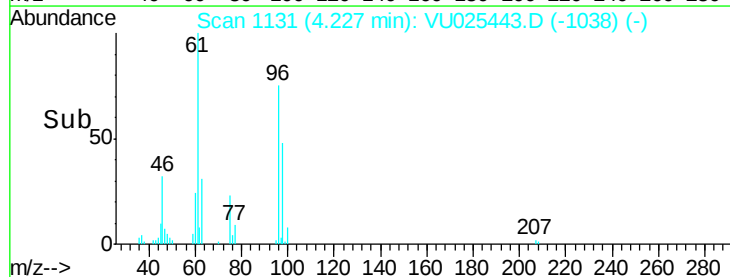
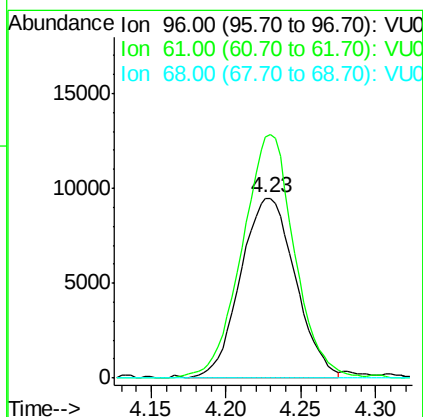
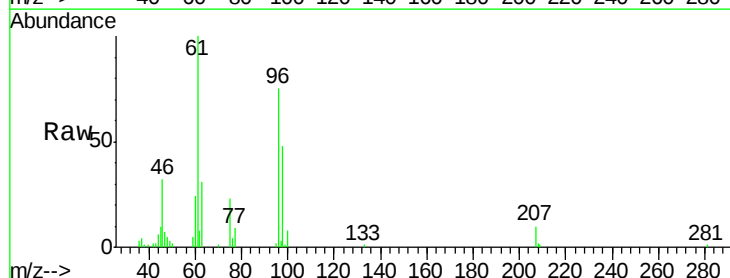
Instrument :
MSVOA_U
ClientSampled :
DB183DL

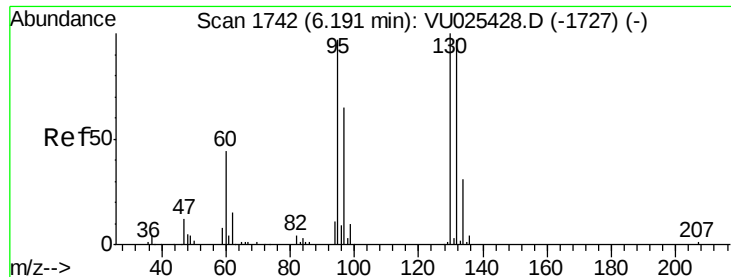
Tgt Ion: 64 Resp: 4159
Ion Ratio Lower Upper
64 100
66 41.6 23.2 43.0



#20
cis-1,2-Dichloroethene
Concen: 9.419 ug/L
RT: 4.23 min Scan# 1131
Delta R.T. 0.00 min
Lab File: VU025443.D
Acq: 16 Jul 2018 22:59

Tgt Ion: 96 Resp: 24182
Ion Ratio Lower Upper
96 100
61 133.7 92.0 170.9
68 0.0 0.0 0.0

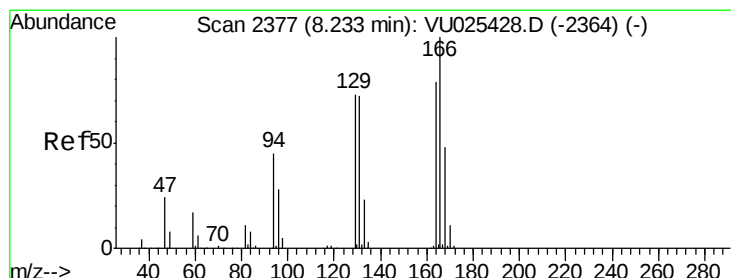
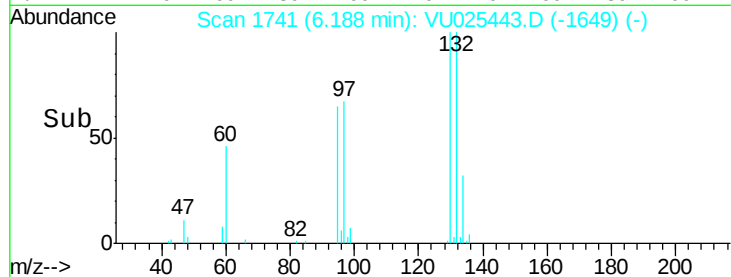
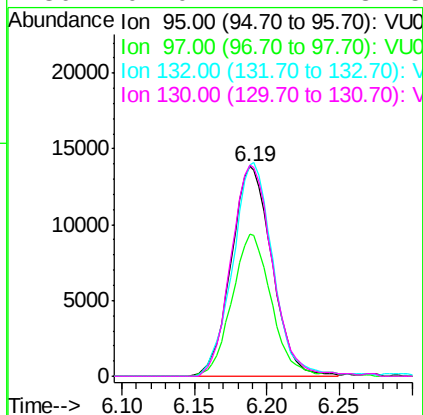
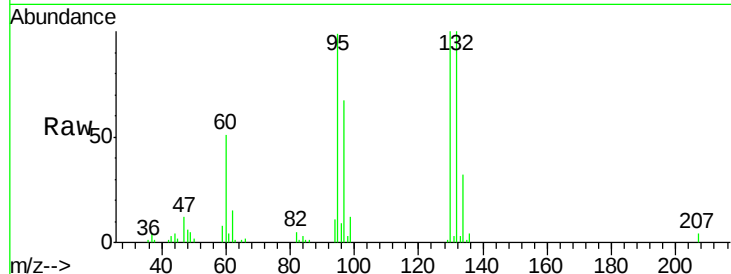




#34
 Trichloroethene
 Concen: 11.396 ug/L
 RT: 6.19 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VU025443.D
 Acq: 16 Jul 2018 22:59

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 MSVOA_U
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 DB183DL

Tgt Ion:	95	Resp:	26960
Ion	Ratio	Lower	Upper
95	100		
97	67.8	44.3	82.3
132	100.8	69.6	129.2
130	101.0	72.4	134.5



#46
 Tetrachloroethene
 Concen: 37.489 ug/L
 RT: 8.23 min Scan# 2376
 Delta R.T. -0.00 min
 Lab File: VU025443.D
 Acq: 16 Jul 2018 22:59

Tgt Ion:	164	Resp:	73503
Ion	Ratio	Lower	Upper
164	100		
129	90.0	64.7	120.1
131	87.7	63.1	117.3
166	123.0	89.7	166.5

