

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111418\
 Data File : VU028131.D
 Acq On : 14 Nov 2018 19:23
 Operator : MD/SY
 Sample : J5948-11
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 15 04:30:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111418WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Nov 15 04:25:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	136430	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	127632	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	57639	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	52896	4.67	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.40%
7) Chloroethane-d5	1.68	69	44369	4.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.60%
11) 1,1-Dichloroethene-d2	2.28	63	75851	3.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.80%
20) 2-Butanone-d5	4.19	46	176314	53.70	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.40%
24) Chloroform-d	4.65	84	90897	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.00%
26) 1,2-Dichloroethane-d4	5.31	65	52122	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.80%
32) Benzene-d6	5.34	84	188938	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.00%
36) 1,2-Dichloropropane-d6	6.33	67	69440	5.30	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.00%
41) Toluene-d8	7.57	98	165074	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.80%
43) trans-1,3-Dichloropropene-	7.85	79	22052	4.72	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.40%
46) 2-Hexanone-d5	8.31	63	140757	52.71	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.42%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	47032	5.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	54751	5.08	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.60%

Target Compounds

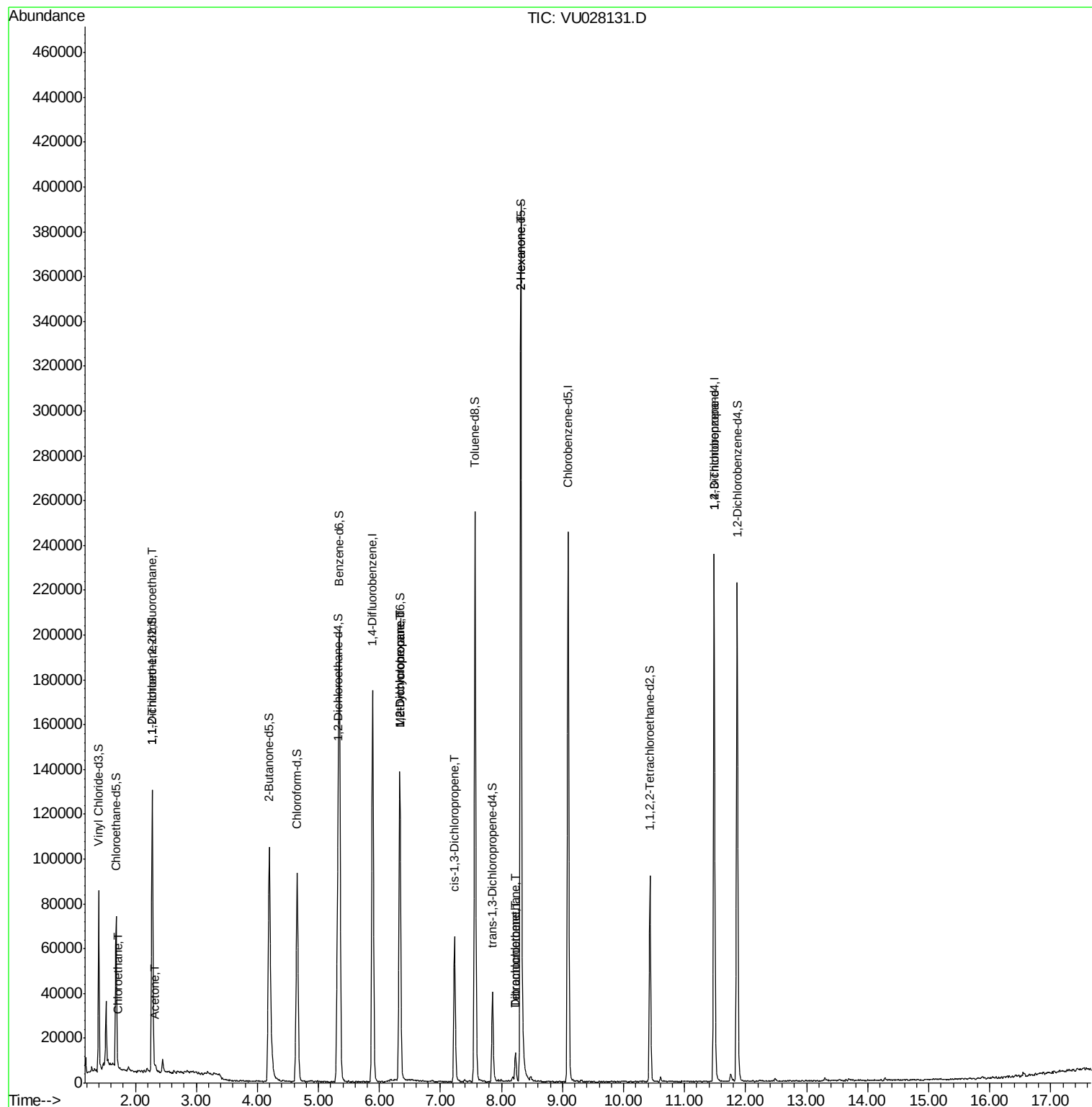
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.72	64	1302	0.148	ug/L #	42
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	499	0.056	ug/L #	20
13) Acetone	2.33	43	2319	1.049	ug/L	85
35) Methylcyclohexane	6.33	83	14026	0.768	ug/L #	16
37) 1,2-Dichloropropane	6.33	63	7512	0.632	ug/L #	92
39) cis-1,3-Dichloropropene	7.22	75	1428	0.089	ug/L	85
47) Tetrachloroethene	8.23	164	2704	0.313	ug/L #	82
48) 2-Hexanone	8.31	43	17139	2.942	ug/L #	67
49) Dibromochloromethane	8.23	129	2777	0.363	ug/L #	11
59) 1,2,3-Trichloropropane	11.48	75	8340	1.249	ug/L #	88

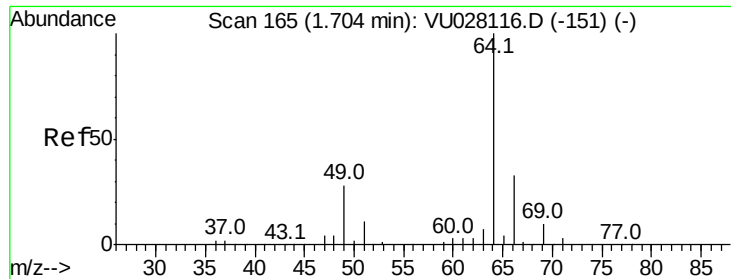
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#8

Chloroethane

Concen: 0.148 ug/L

RT: 1.72 min Scan# 169

Delta R.T. 0.01 min

Lab File: VU028131.D

Acq: 14 Nov 2018 19:23

Instrument :

MSVOA_U

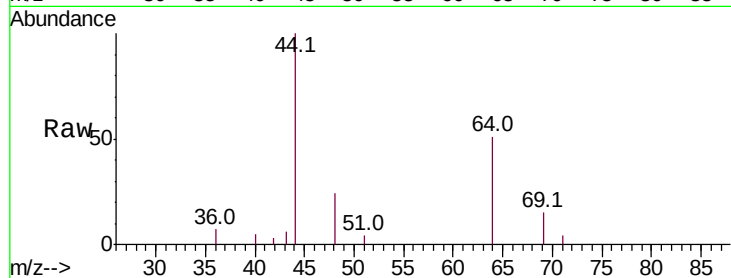
ClientSampleId :

Tot Ion: 64 Resp: 1302

Ion Ratio Lower Upper

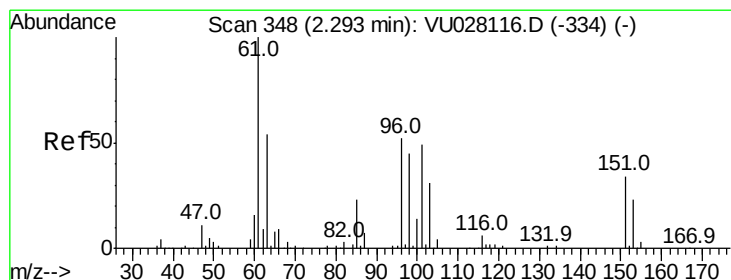
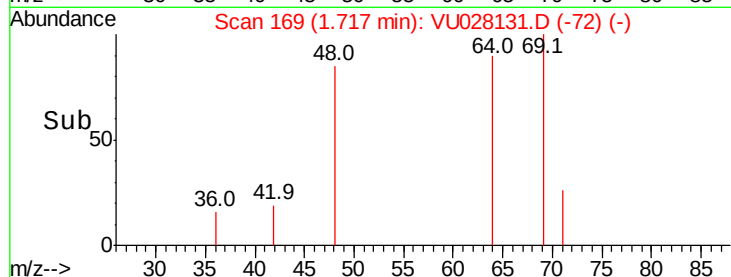
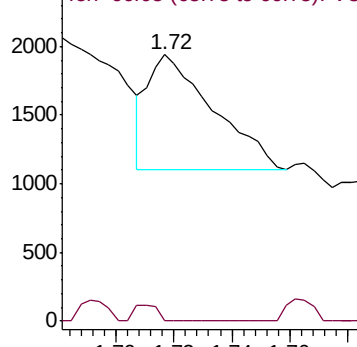
64 100

66 0.0 23.1 42.9#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0



#10

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

Concen: 0.056 ug/L

RT: 2.28 min Scan# 343

Delta R.T. -0.02 min

Lab File: VU028131.D

Acq: 14 Nov 2018 19:23

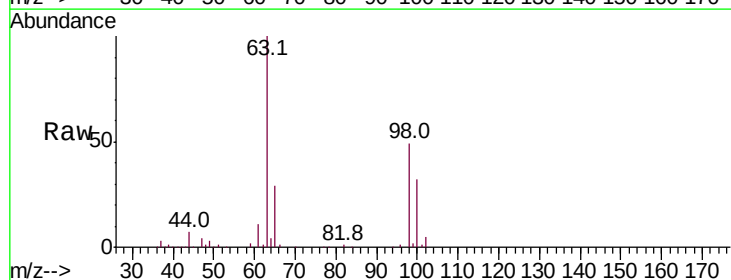
Tgt Ion:101 Resp: 499

Ion Ratio Lower Upper

101 100

85 0.0 37.6 56.4#

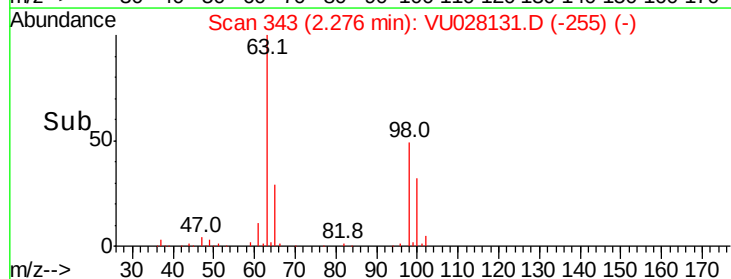
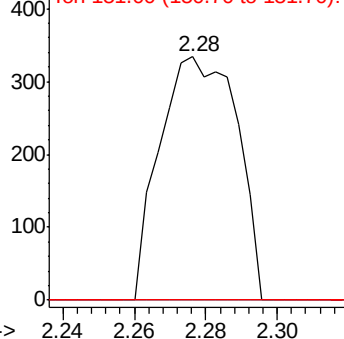
151 0.0 58.2 87.2#

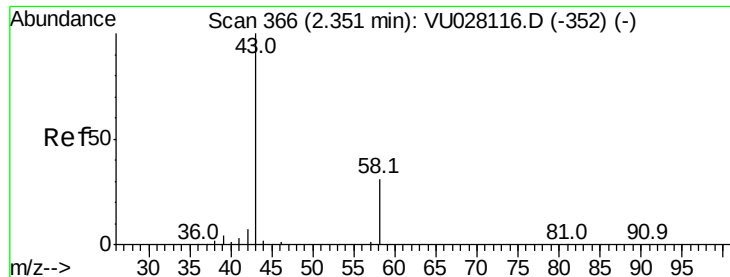


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#13

Acetone

Concen: 1.049 ug/L

RT: 2.33 min Scan# 359

Delta R.T. -0.02 min

Lab File: VU028131.D

Acq: 14 Nov 2018 19:23

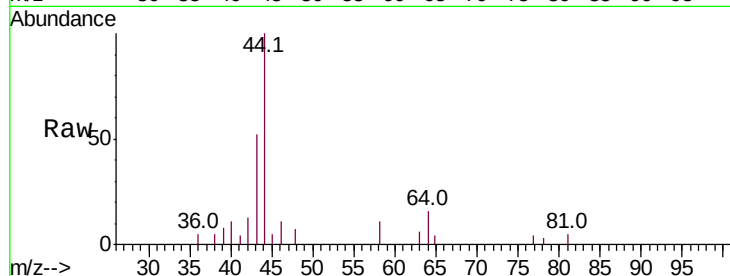
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 2319

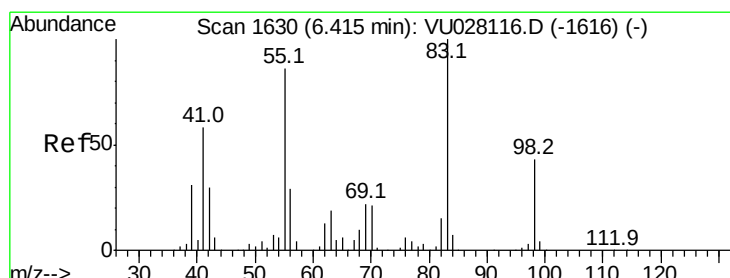
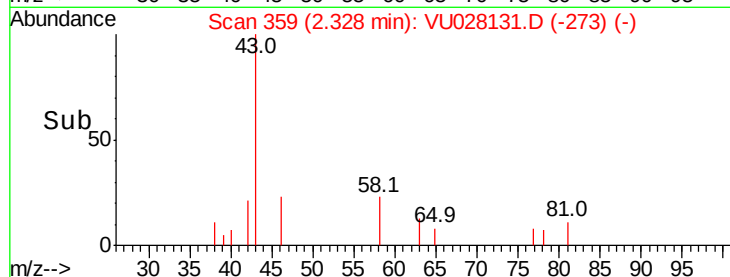
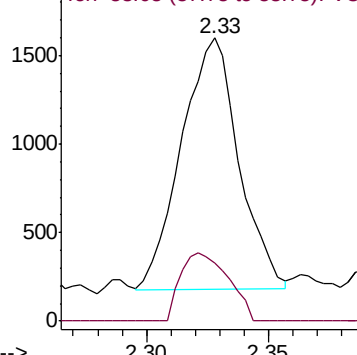
Ion Ratio Lower Upper

43 100

58 22.6 0.0 61.6



Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0



#35

Methylcyclohexane

Concen: 0.768 ug/L

RT: 6.33 min Scan# 1605

Delta R.T. -0.08 min

Lab File: VU028131.D

Acq: 14 Nov 2018 19:23

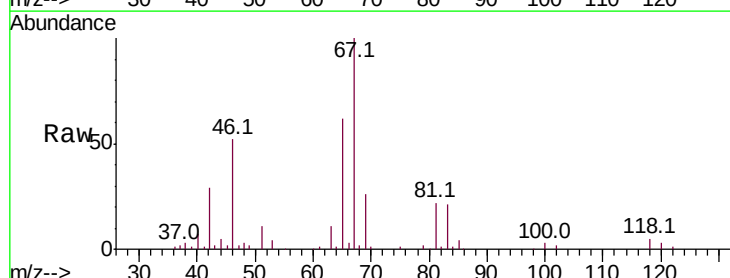
Tgt Ion: 83 Resp: 14026

Ion Ratio Lower Upper

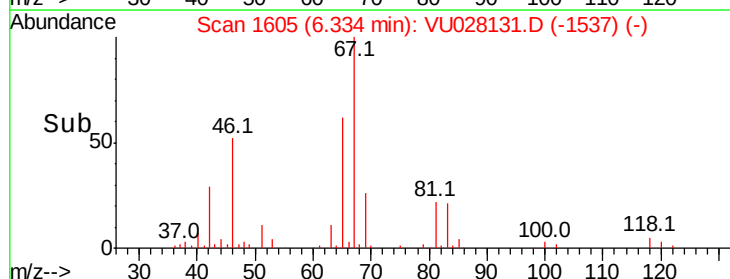
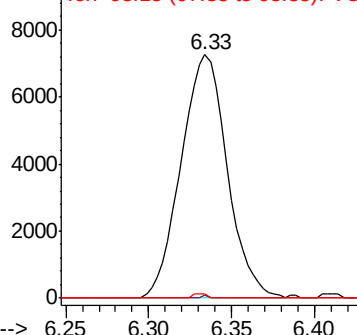
83 100

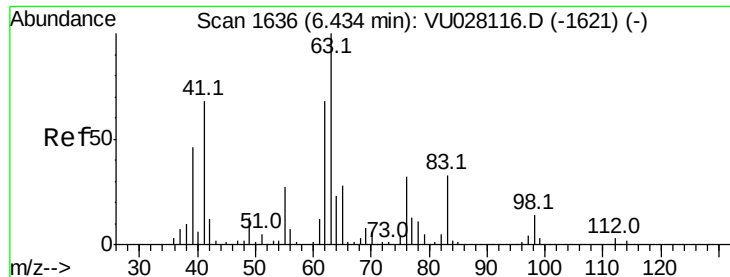
55 0.1 69.0 103.4#

98 0.5 33.3 49.9#



Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

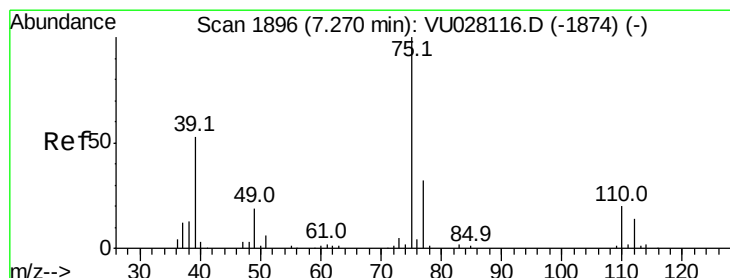
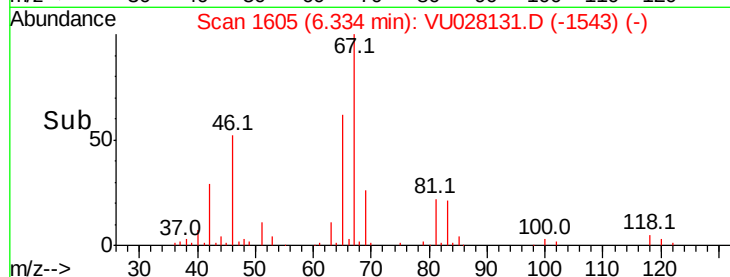
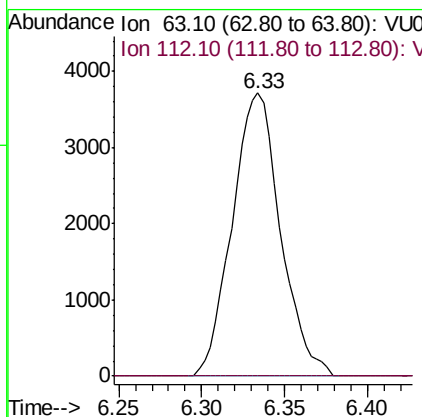
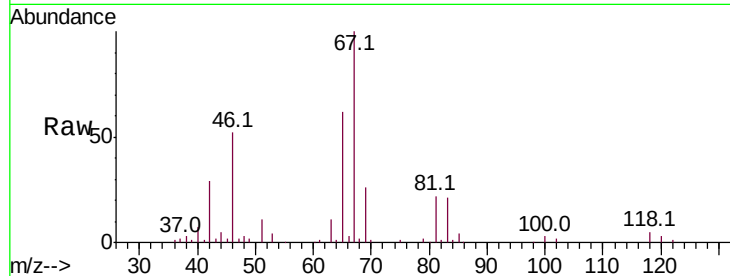




#37
 1,2-Dichloropropane
 Concen: 0.632 ug/L
 RT: 6.33 min Scan# 1605
 Delta R.T. -0.10 min
 Lab File: VU028131.D
 Acq: 14 Nov 2018 19:23

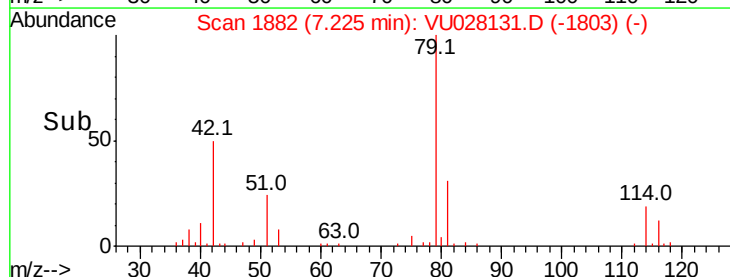
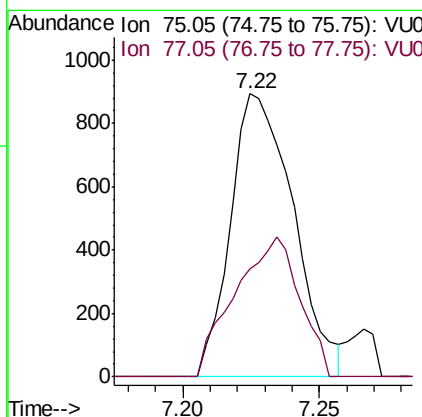
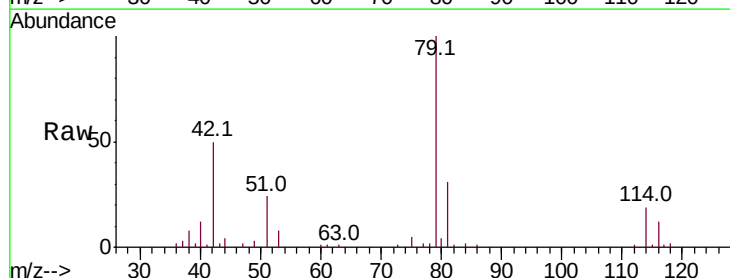
Instrument :
 MSVOA_U
 ClientSampleId :

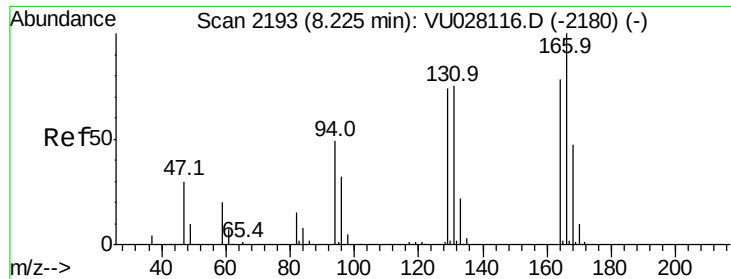
Tot Ion: 63 Resp: 7512
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.2 3.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.089 ug/L
 RT: 7.22 min Scan# 1882
 Delta R.T. -0.05 min
 Lab File: VU028131.D
 Acq: 14 Nov 2018 19:23

Tgt Ion: 75 Resp: 1428
 Ion Ratio Lower Upper
 75 100
 77 38.2 20.9 38.9

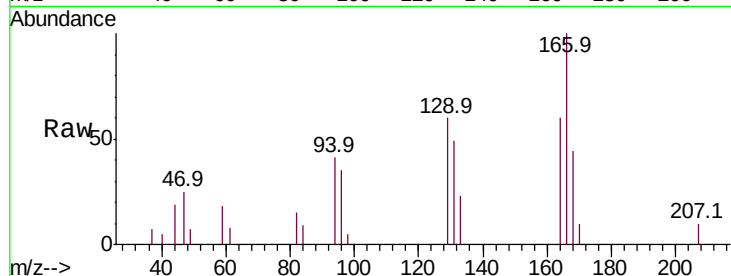




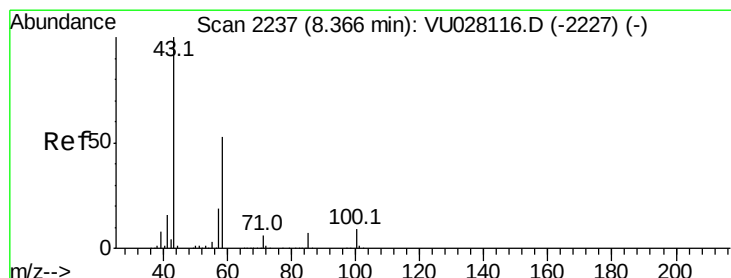
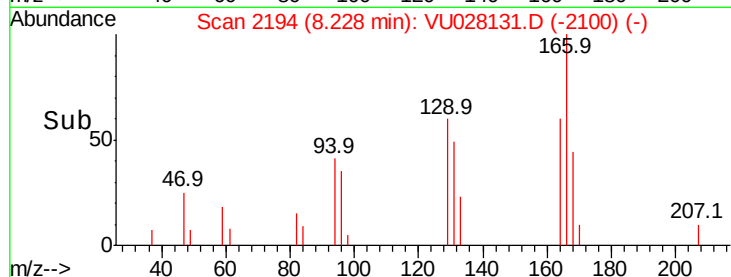
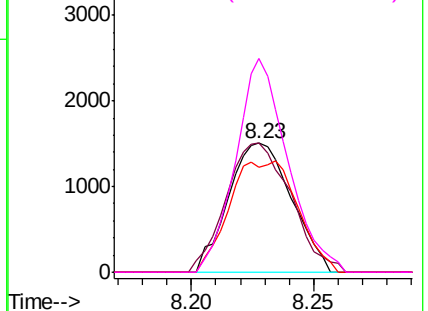
#47
Tetrachloroethene
Concen: 0.313 ug/L
RT: 8.23 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VU028131.D
Acq: 14 Nov 2018 19:23

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:164 Resp: 2704
Ion Ratio Lower Upper
164 100
129 100.4 69.7 129.4
131 81.7 64.0 118.8
166 166.0 86.4 160.4#

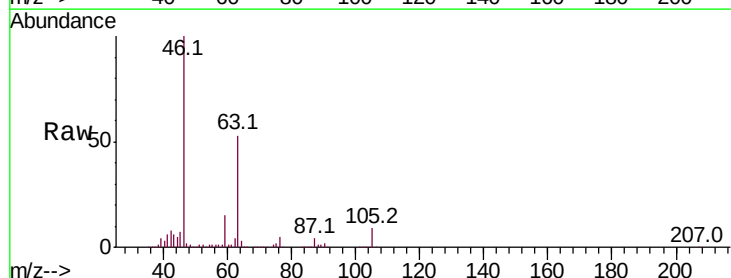


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

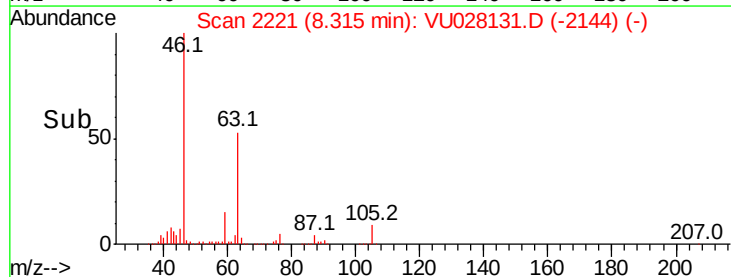
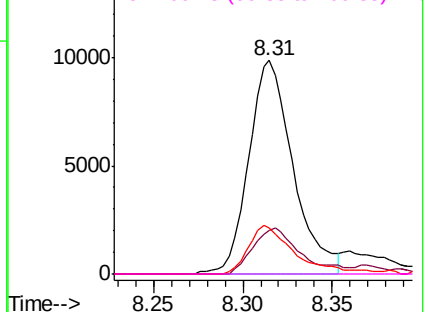


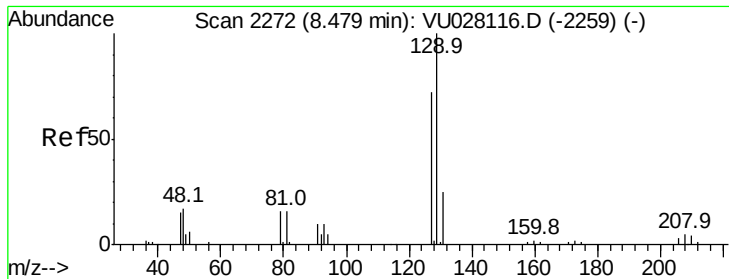
#48
2-Hexanone
Concen: 2.942 ug/L
RT: 8.31 min Scan# 2221
Delta R.T. -0.05 min
Lab File: VU028131.D
Acq: 14 Nov 2018 19:23

Tgt Ion: 43 Resp: 17139
Ion Ratio Lower Upper
43 100
58 23.1 41.7 62.5#
57 22.7 14.0 21.0#
100 0.0 7.2 10.8#



Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

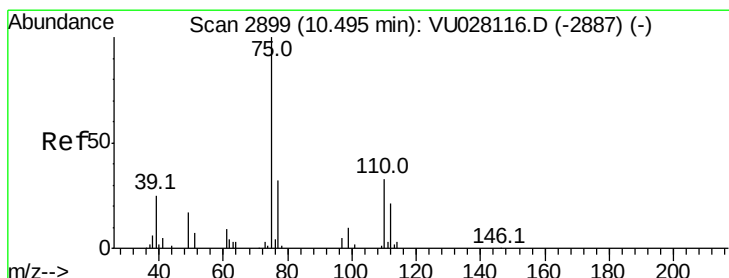
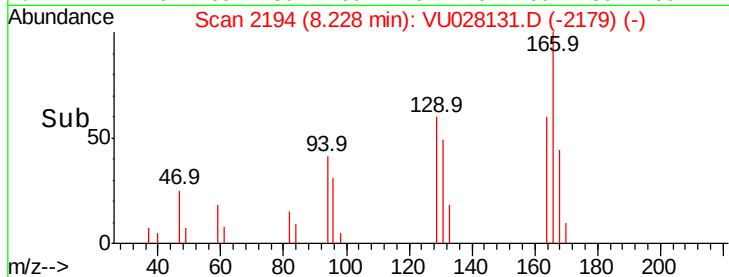
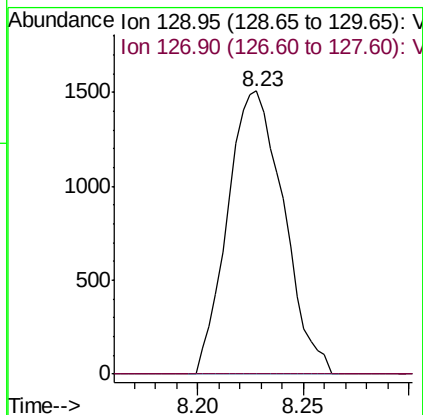
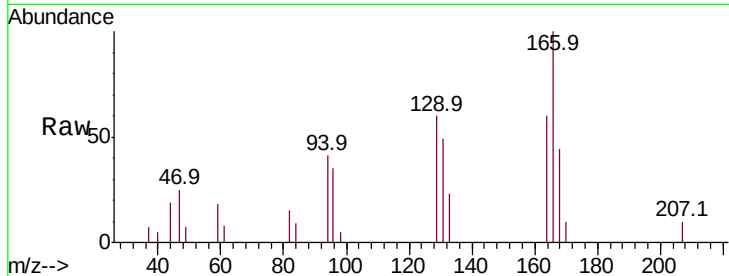




#49
 Dibromochloromethane
 Concen: 0.363 ug/L
 RT: 8.23 min Scan# 2194
 Delta R.T. -0.25 min
 Lab File: VU028131.D
 Acq: 14 Nov 2018 19:23

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:129 Resp: 2777
 Ion Ratio Lower Upper
 129 100
 127 0.0 54.1 100.5#



#59
 1,2,3-Trichloropropane
 Concen: 1.249 ug/L
 RT: 11.48 min Scan# 3207
 Delta R.T. 0.99 min
 Lab File: VU028131.D
 Acq: 14 Nov 2018 19:23

Tgt Ion: 75 Resp: 8340
 Ion Ratio Lower Upper
 75 100
 77 38.3 25.4 38.0#

