

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU111618\
 Data File : VU028213.D
 Acq On : 17 Nov 2018 03:41
 Operator : MD/SY
 Sample : J5986-10
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 17 04:27:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111418WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Nov 17 03:46:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	147880	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	139406	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	63882	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	42346	3.45	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	69.00%
7) Chloroethane-d5	1.68	69	35050	3.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	72.00%
11) 1,1-Dichloroethene-d2	2.28	63	61474	2.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	53.60%#
20) 2-Butanone-d5	4.20	46	147079	41.32	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	82.64%
24) Chloroform-d	4.65	84	70361	3.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	72.20%
26) 1,2-Dichloroethane-d4	5.31	65	43015	3.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.00%
32) Benzene-d6	5.34	84	146280	3.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	73.00%
36) 1,2-Dichloropropane-d6	6.33	67	54708	3.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	76.40%
41) Toluene-d8	7.57	98	126747	3.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	68.00%#
43) trans-1,3-Dichloropropene-	7.85	79	15495	3.04	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	60.80%
46) 2-Hexanone-d5	8.31	63	105845	36.29	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	72.58%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	39044	3.86	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	77.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	43980	3.68	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	73.60%#

Target Compounds

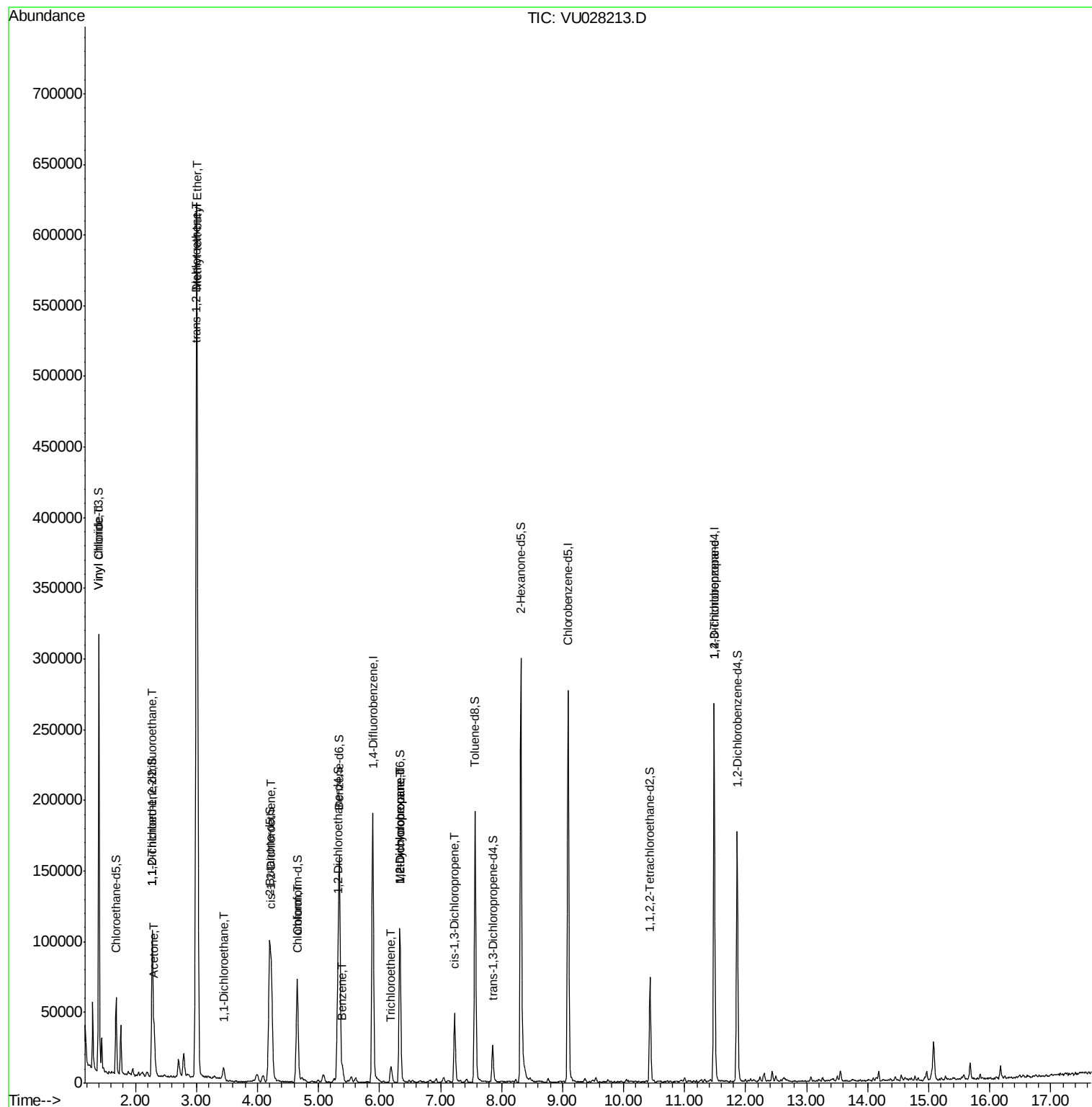
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.40	62	90796	5.732	ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	509	0.052	ug/L #	25
13) Acetone	2.31	43	15769	6.579	ug/L	47
17) Methyl tert-butyl Ether	3.01	73	603975	21.971	ug/L	98
18) trans-1,2-Dichloroethene	2.99	96	2997	0.287	ug/L	78
19) 1,1-Dichloroethane	3.45	63	10819	0.492	ug/L	98
22) cis-1,2-Dichloroethene	4.23	96	29614	2.569	ug/L	97
25) Chloroform	4.67	83	887	0.045	ug/L	86
33) Benzene	5.39	78	8280	0.176	ug/L	100
34) Trichloroethene	6.19	95	3885	0.335	ug/L	90
35) Methylcyclohexane	6.33	83	10977	0.550	ug/L #	16
37) 1,2-Dichloropropane	6.33	63	5514	0.425	ug/L #	94
39) cis-1,3-Dichloropropene	7.24	75	1008	0.057	ug/L #	56
59) 1,2,3-Trichloropropane	11.48	75	10025	1.374	ug/L	99

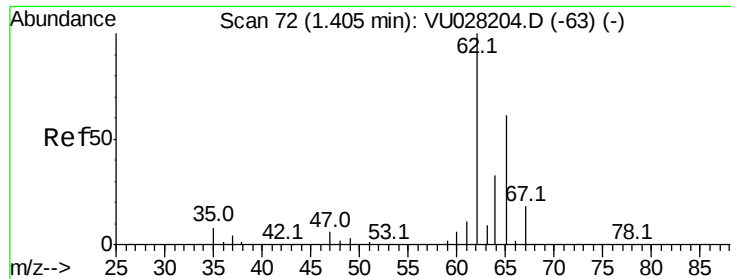
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Nov 17 03:46:40 2018
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 5.732 ug/L

RT: 1.40 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU028213.D

Acq: 17 Nov 2018 03:41

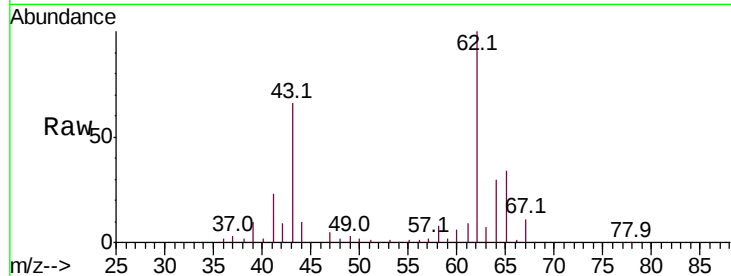
Instrument :
MSVOA_U
ClientSampled :

Tot Ion: 62 Resp: 90796

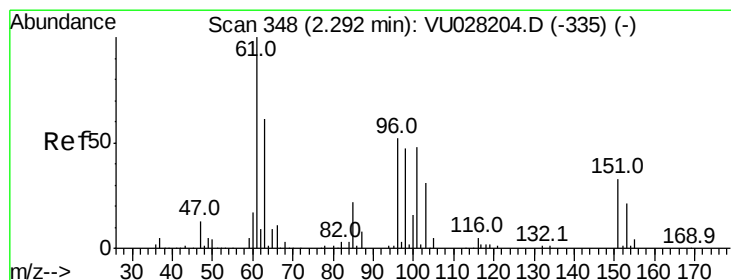
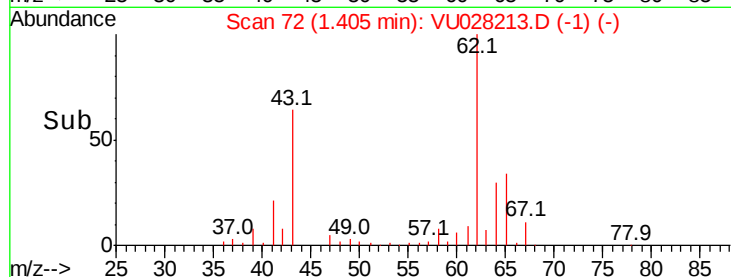
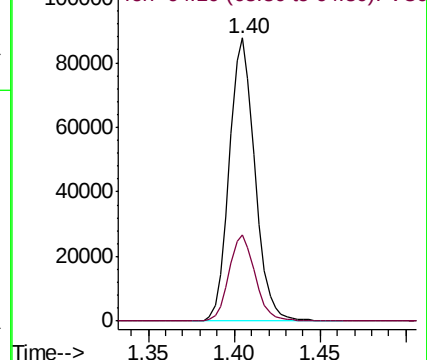
Ion Ratio Lower Upper

62 100

64 30.4 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VU0
Ion 64.10 (63.80 to 64.80): VU0



#10

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

Concen: 0.052 ug/L

RT: 2.28 min Scan# 343

Delta R.T. -0.02 min

Lab File: VU028213.D

Acq: 17 Nov 2018 03:41

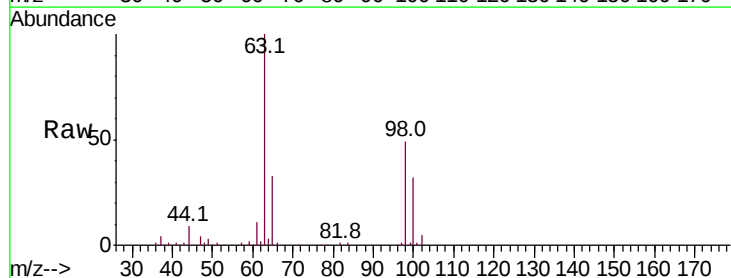
Tgt Ion:101 Resp: 509

Ion Ratio Lower Upper

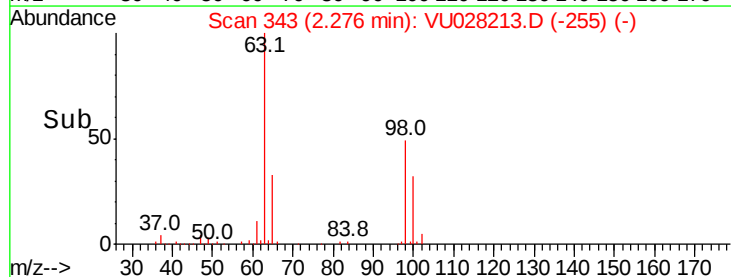
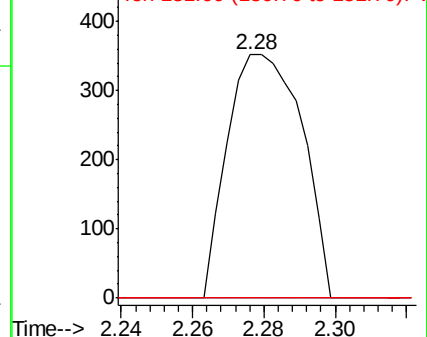
101 100

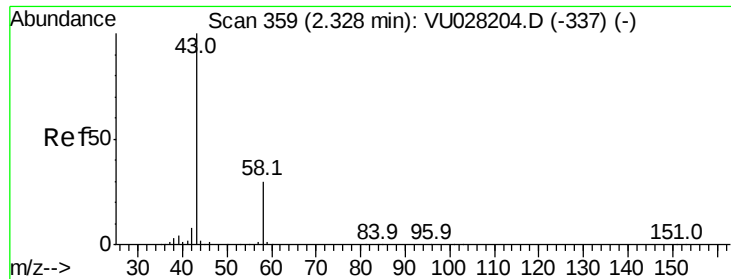
85 9.0 37.6 56.4#

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: 6.579 ug/L

RT: 2.31 min Scan# 353

Delta R.T. -0.02 min

Lab File: VU028213.D

Acq: 17 Nov 2018 03:41

Instrument :

MSVOA_U

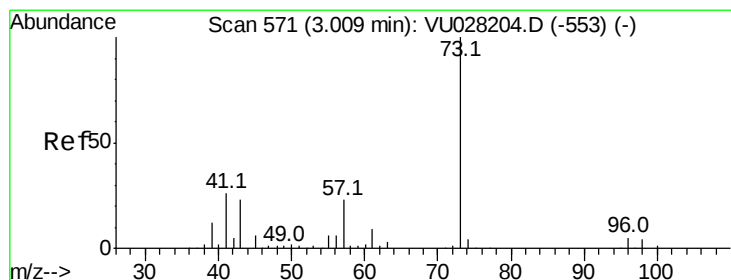
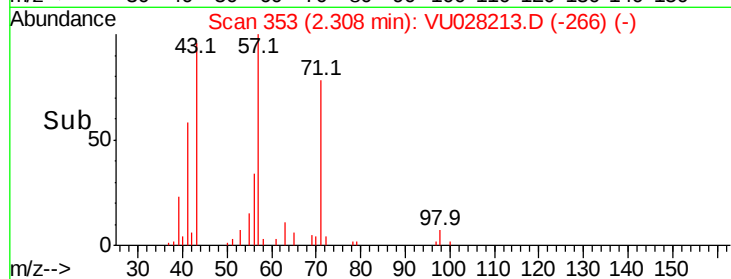
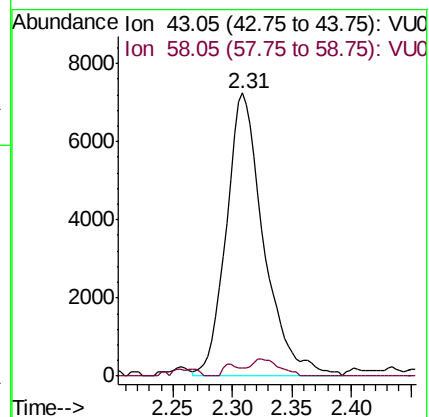
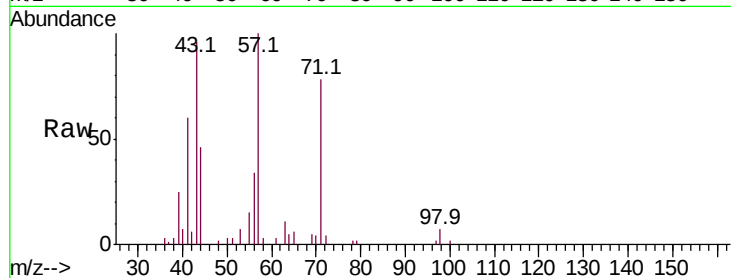
ClientSampled :

Tot Ion: 43 Resp: 15769

Ion Ratio Lower Upper

43 100

58 1.8 0.0 61.6



#17

Methyl tert-butyl Ether

Concen: 21.971 ug/L

RT: 3.01 min Scan# 570

Delta R.T. -0.00 min

Lab File: VU028213.D

Acq: 17 Nov 2018 03:41

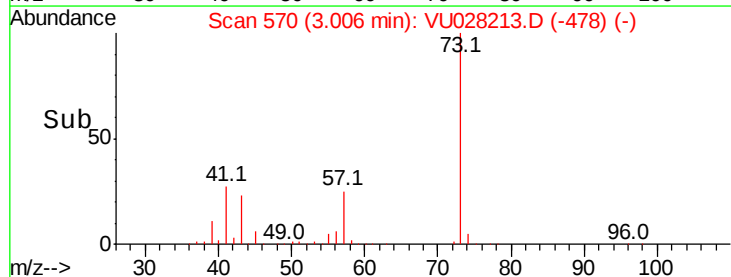
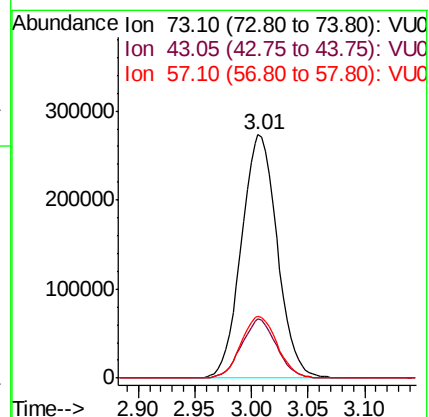
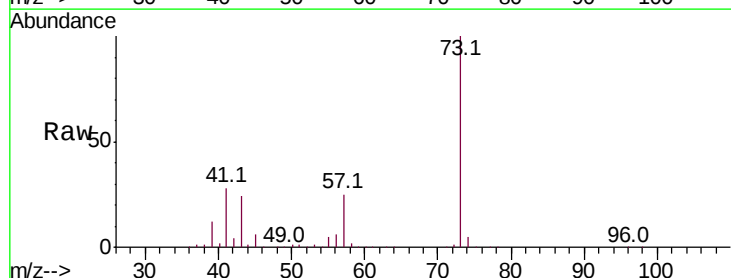
Tgt Ion: 73 Resp: 603975

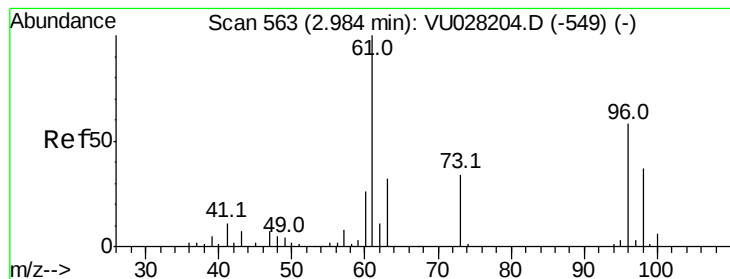
Ion Ratio Lower Upper

73 100

43 23.4 18.1 27.1

57 25.7 20.0 30.0





#18

trans-1,2-Dichloroethene

Concen: 0.287 ug/L

RT: 2.99 min Scan# 564

Delta R.T. 0.00 min

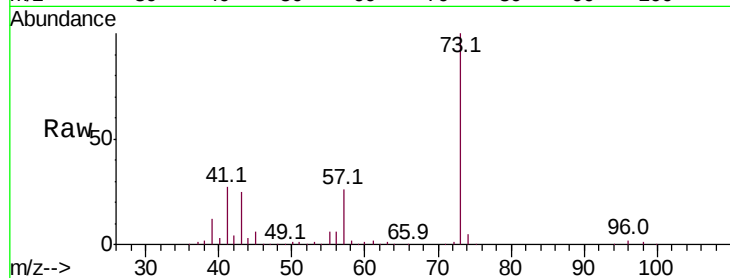
Lab File: VU028213.D

Acq: 17 Nov 2018 03:41

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 96 Resp: 2997

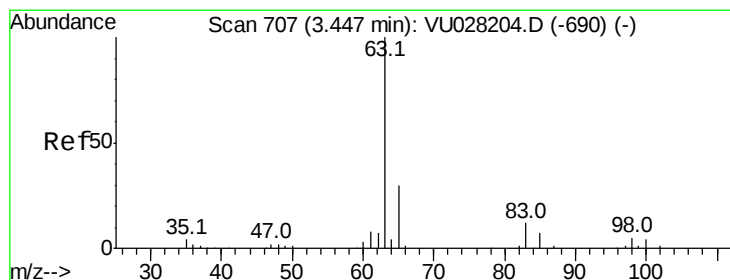
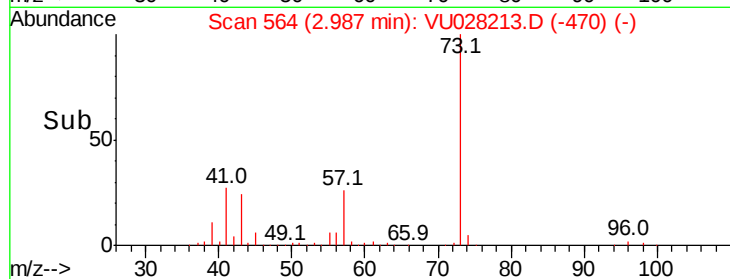
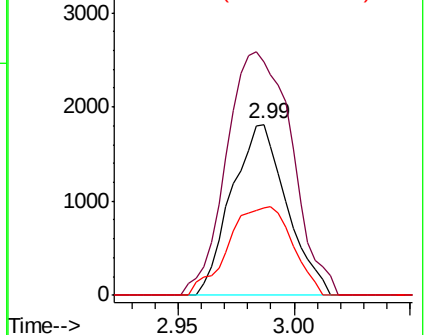
Ion	Ratio	Lower	Upper
96	100		
61	136.3	118.5	220.1
98	51.6	44.9	83.5



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 97.95 (97.65 to 98.65): VU0



#19

1,1-Dichloroethane

Concen: 0.492 ug/L

RT: 3.45 min Scan# 707

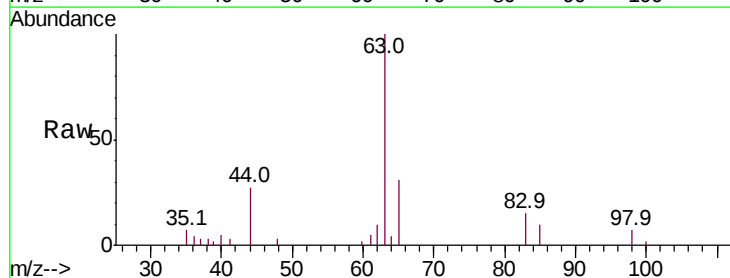
Delta R.T. -0.00 min

Lab File: VU028213.D

Acq: 17 Nov 2018 03:41

Tgt Ion: 63 Resp: 10819

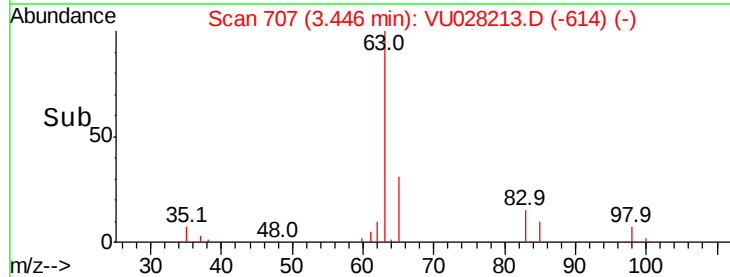
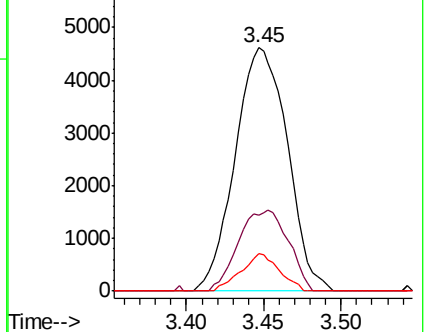
Ion	Ratio	Lower	Upper
63	100		
65	31.4	22.2	41.2
83	15.4	8.9	16.5

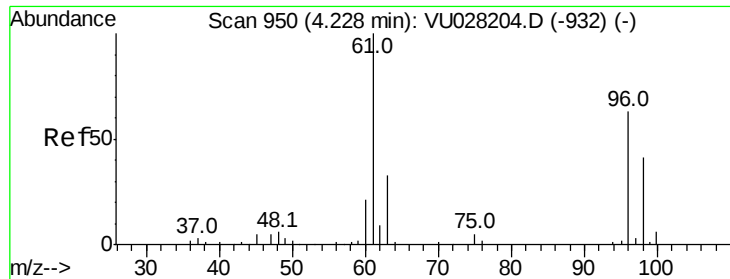


Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 65.10 (64.80 to 65.80): VU0

Ion 83.05 (82.75 to 83.75): VU0



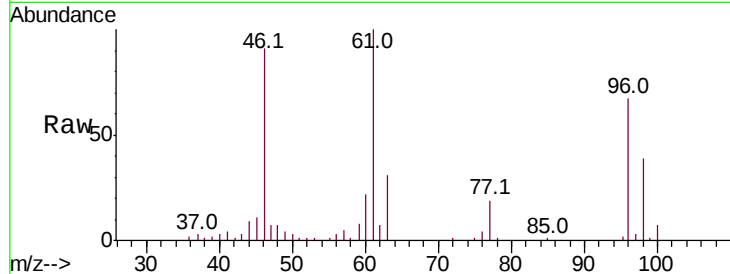


#22

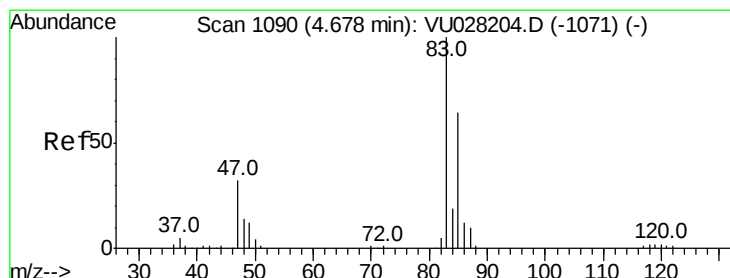
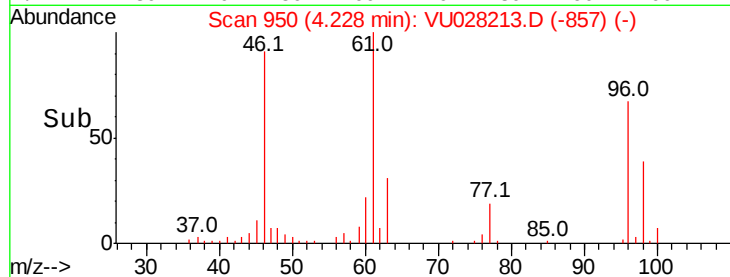
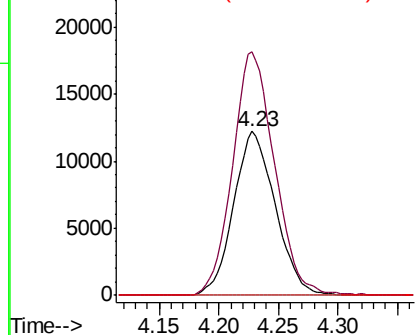
cis-1,2-Dichloroethene
 Concen: 2.569 ug/L
 RT: 4.23 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: VU028213.D
 Acq: 17 Nov 2018 03:41

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 96 Resp: 29614
 Ion Ratio Lower Upper
 96 100
 61 148.7 101.8 189.0
 68 0.0 0.0 0.0



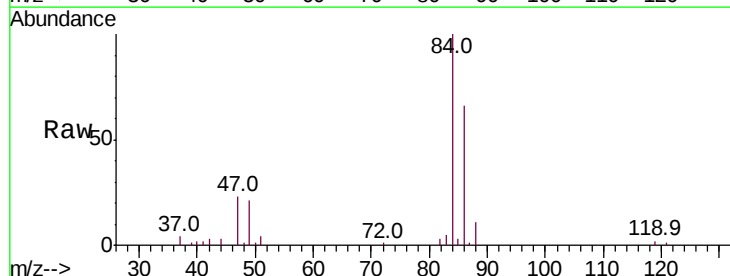
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



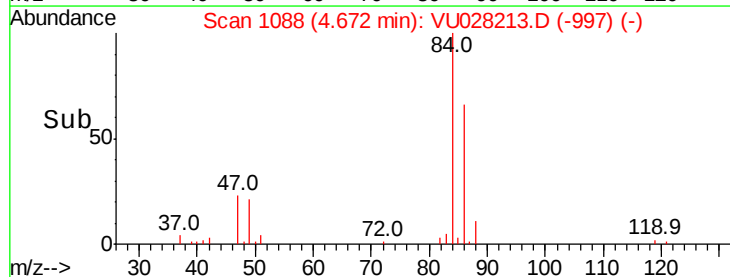
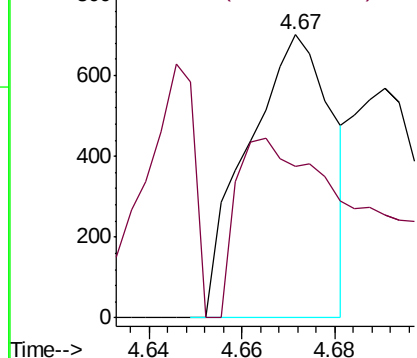
#25

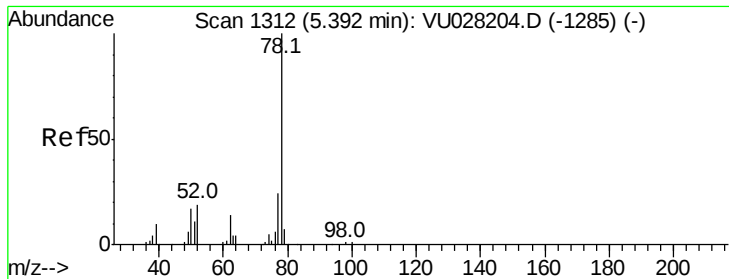
Chloroform
 Concen: 0.045 ug/L
 RT: 4.67 min Scan# 1088
 Delta R.T. -0.01 min
 Lab File: VU028213.D
 Acq: 17 Nov 2018 03:41

Tgt Ion: 83 Resp: 887
 Ion Ratio Lower Upper
 83 100
 85 53.6 45.0 83.6



Abundance Ion 83.05 (82.75 to 83.75): VU0
 Ion 85.00 (84.70 to 85.70): VU0





#33

Benzene

Concen: 0.176 ug/L

RT: 5.39 min Scan# 1313

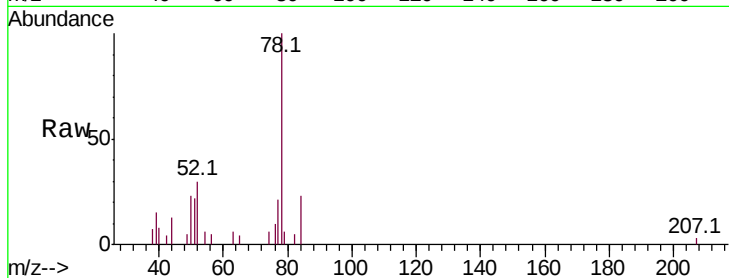
Delta R.T. 0.00 min

Lab File: VU028213.D

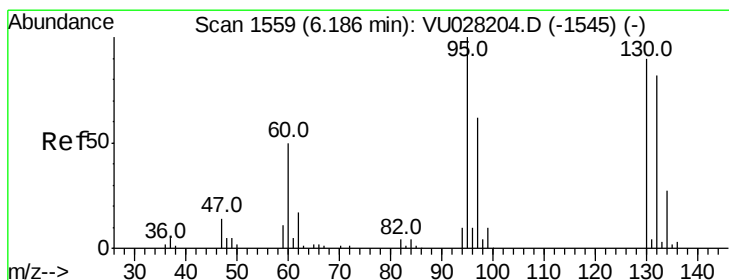
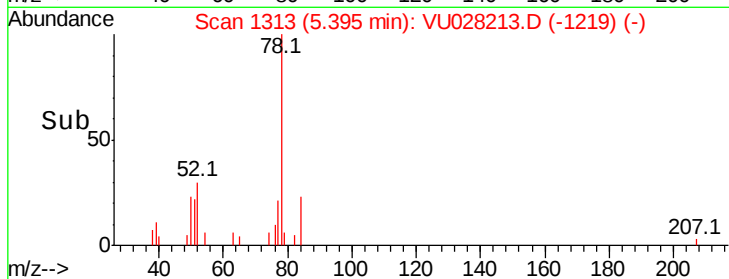
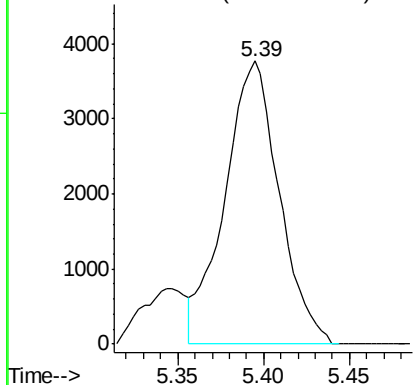
Acq: 17 Nov 2018 03:41

Instrument :
MSVOA_U
ClientSampled :

Tgt Ion: 78 Resp: 8280



Abundance Ion 78.10 (77.80 to 78.80): VU0



#34

Trichloroethene

Concen: 0.335 ug/L

RT: 6.19 min Scan# 1560

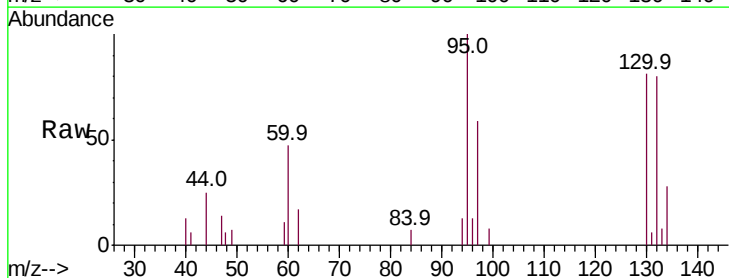
Delta R.T. 0.00 min

Lab File: VU028213.D

Acq: 17 Nov 2018 03:41

Tgt Ion: 95 Resp: 3885

Ion	Ratio	Lower	Upper
95	100		
97	58.8	45.3	84.1
132	80.4	63.0	117.0
130	81.1	63.6	118.2

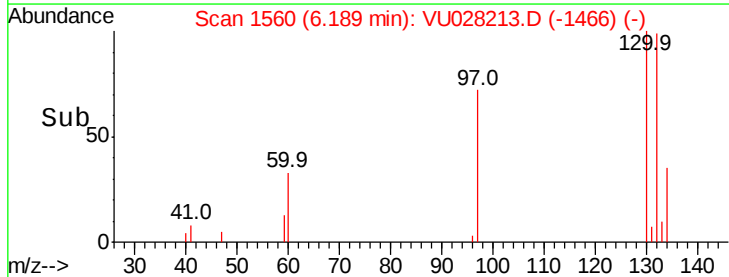
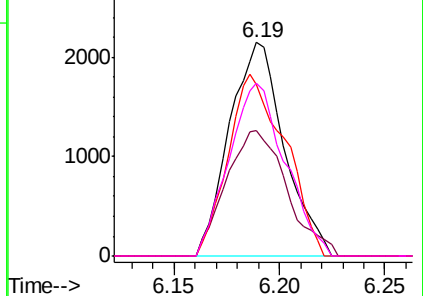


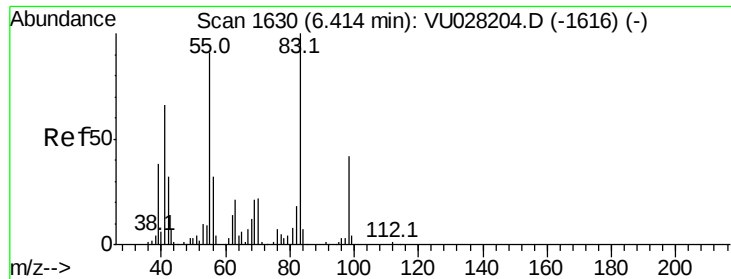
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

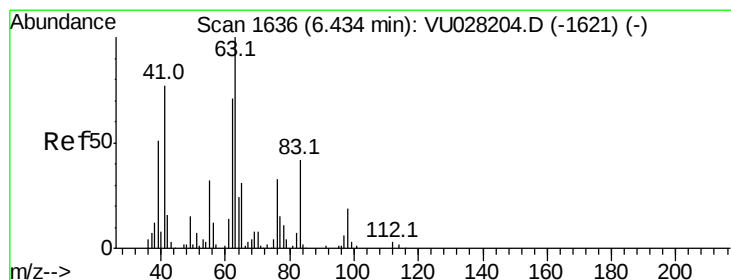
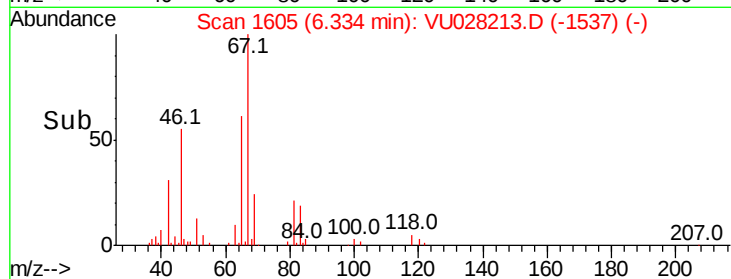
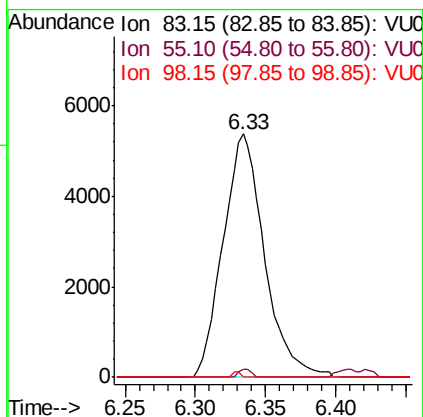
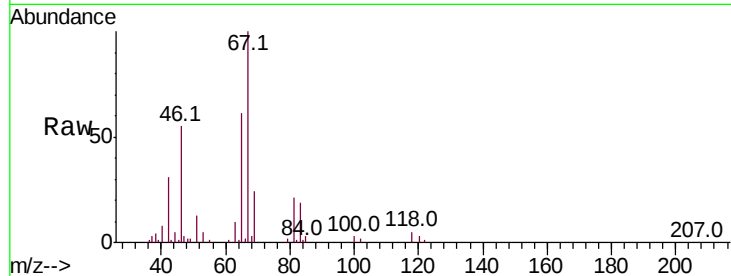




#35
Methylcyclohexane
Concen: 0.550 ug/L
RT: 6.33 min Scan# 1605
Delta R.T. -0.08 min
Lab File: VU028213.D
Acq: 17 Nov 2018 03:41

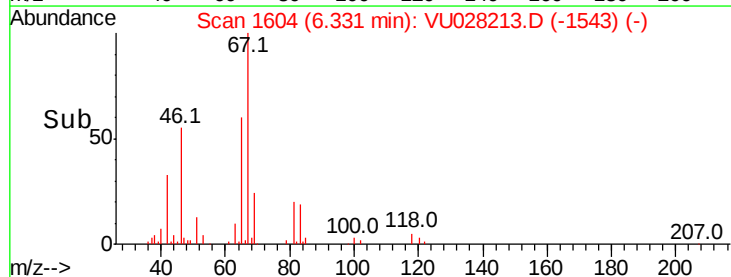
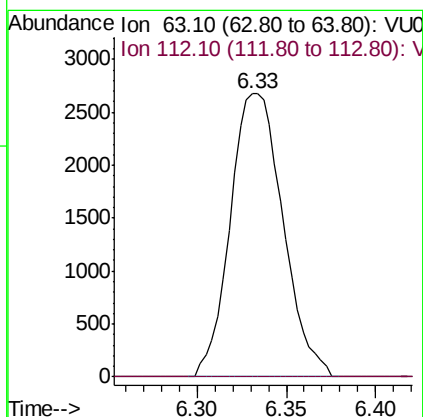
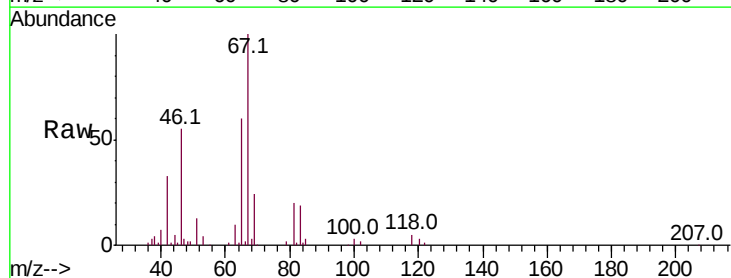
Instrument :
MSVOA_U
ClientSampleId :

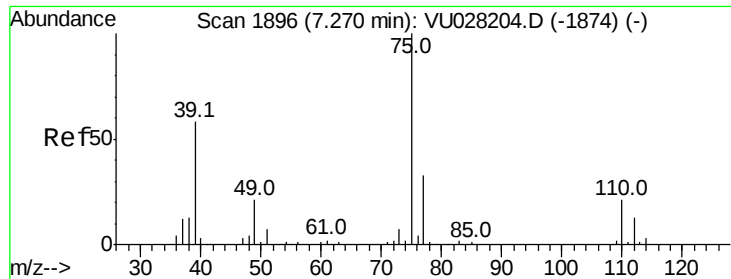
Tot Ion: 83 Resp: 10977
Ion Ratio Lower Upper
83 100
55 1.0 69.0 103.4#
98 0.4 33.3 49.9#



#37
1,2-Dichloropropane
Concen: 0.425 ug/L
RT: 6.33 min Scan# 1604
Delta R.T. -0.10 min
Lab File: VU028213.D
Acq: 17 Nov 2018 03:41

Tgt Ion: 63 Resp: 5514
Ion Ratio Lower Upper
63 100
112 0.8 2.2 3.4#



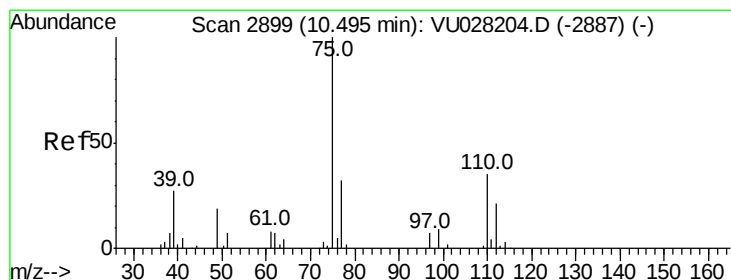
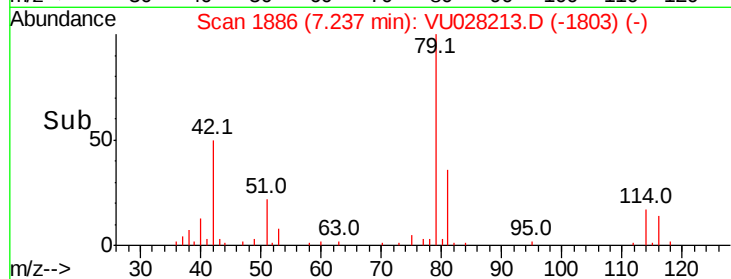
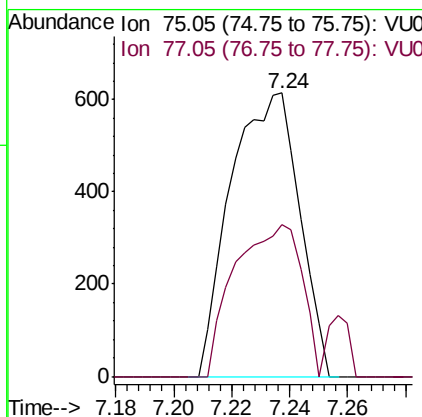
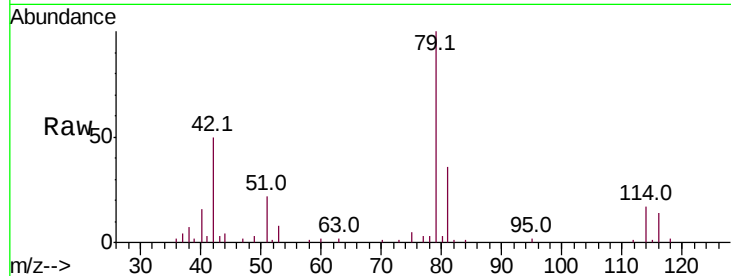


#39

cis-1,3-Dichloropropene
 Concen: 0.057 ug/L
 RT: 7.24 min Scan# 1886
 Delta R.T. -0.03 min
 Lab File: VU028213.D
 Acq: 17 Nov 2018 03:41

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 75 Resp: 1008
 Ion Ratio Lower Upper
 75 100
 77 53.7 20.9 38.9#



#59

1,2,3-Trichloropropane
 Concen: 1.374 ug/L
 RT: 11.48 min Scan# 3206
 Delta R.T. 0.99 min
 Lab File: VU028213.D
 Acq: 17 Nov 2018 03:41

Tgt Ion: 75 Resp: 10025
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.4 38.0

