

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040519\
 Data File : VU030733.D
 Acq On : 05 Apr 2019 11:14
 Operator : JC/SP
 Sample : K2271-21
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DB7E2

Quant Time: Apr 05 23:45:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 05 23:39:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	453891	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	450557	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	186449	50.00	ug/L	0.00

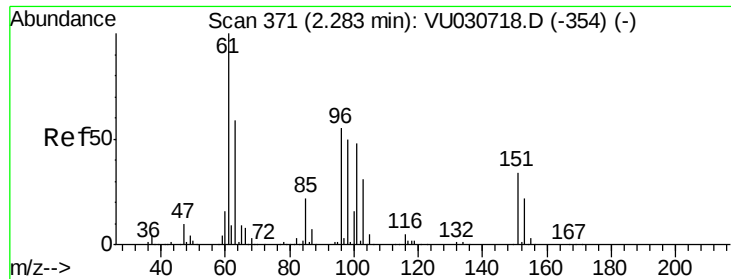
System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	199808	49.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.62%
7) Chloroethane-d5	1.90	69	111	0.04	ug/L	0.22
Spiked Amount	50.000	Range	70 - 130	Recovery	=	0.08%#
11) 1,1-Dichloroethene-d2	2.27	63	283720	38.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.42%
21) 2-Butanone-d5	4.17	46	351107	109.34	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.34%
24) Chloroform-d	4.64	84	307301	49.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.30%
26) 1,2-Dichloroethane-d4	5.30	65	218046	51.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.26%
32) Benzene-d6	5.34	84	658823	50.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.18%
36) 1,2-Dichloropropane-d6	6.32	67	228322	50.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.30%
41) Toluene-d8	7.56	98	562235	48.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.46%
43) trans-1,3-Dichloropropene-	7.85	79	101769	49.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.02%
47) 2-Hexanone-d5	8.31	63	207388	100.66	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.66%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	299041	49.18	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.36%
64) 1,2-Dichlorobenzene-d4	11.86	152	189920	51.79	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.58%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2601	0.800	ug/L #	24
12) 1,1-Dichloroethene	2.26	96	2102	0.670	ug/L #	1
13) Acetone	2.32	43	9325	2.838	ug/L	98
19) 1,1-Dichloroethane	3.44	63	4406	0.641	ug/L #	89
25) Chloroform	4.66	83	18989	2.748	ug/L	97
34) Trichloroethene	6.18	95	23755	6.569	ug/L	99
44) trans-1,3-Dichloropropene	7.85	75	3911	0.747	ug/L	89
46) Tetrachloroethene	8.23	164	1089	0.414	ug/L	94
48) 2-Hexanone	8.31	43	24667	4.709	ug/L #	75
59) 1,2,3-Trichloropropane	11.48	75	24156	4.831	ug/L	90

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



#10

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

Concen: 0.800 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.02 min

Lab File: VU030733.D

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Instrument :

MSVOA_U

ClientSampleId :

DB7E2

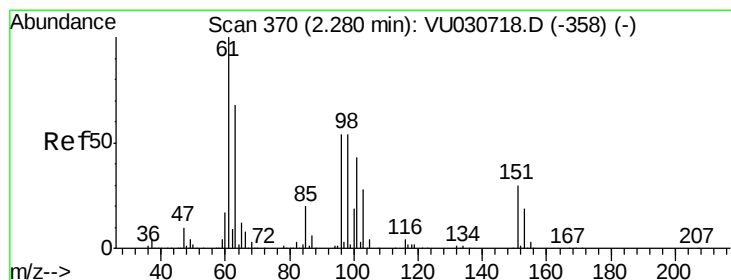
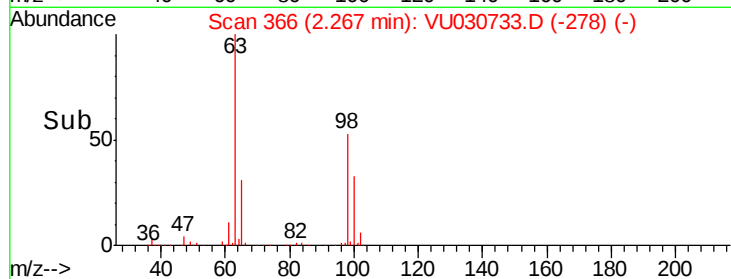
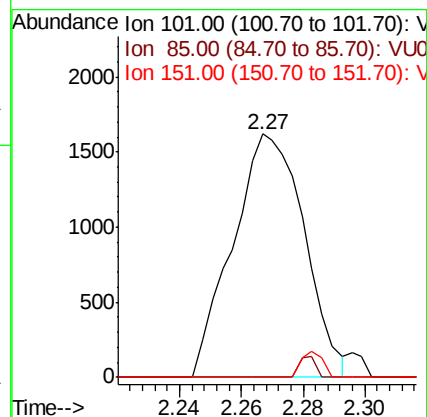
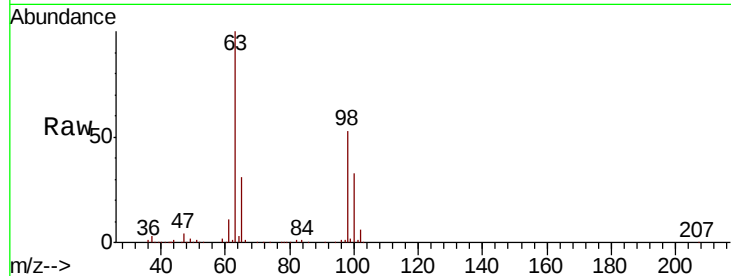
Tot Ion:101 Resp: 2601

Ion Ratio Lower Upper

101 100

85 2.0 36.8 55.2#

151 3.2 57.4 86.0#



#12

1,1-Dichloroethene

Concen: 0.670 ug/L

RT: 2.26 min Scan# 365

Delta R.T. -0.02 min

Lab File: VU030733.D

Acq: 05 Apr 2019 11:14

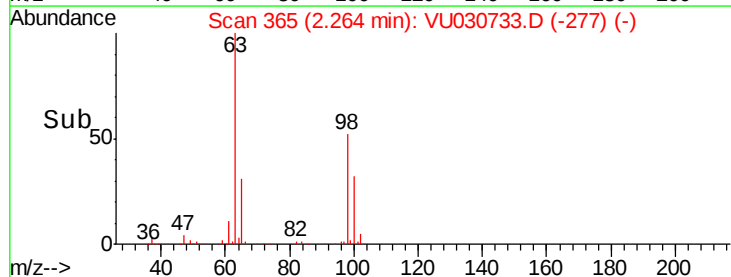
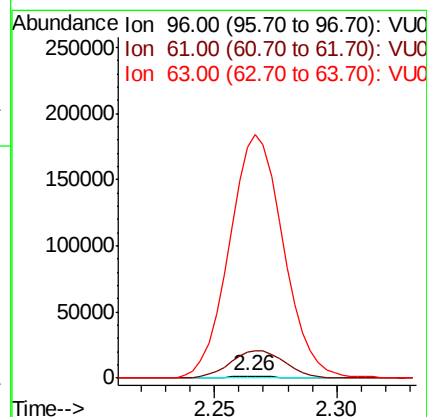
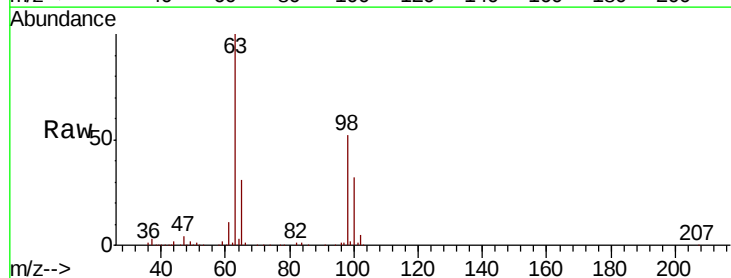
Tgt Ion: 96 Resp: 2102

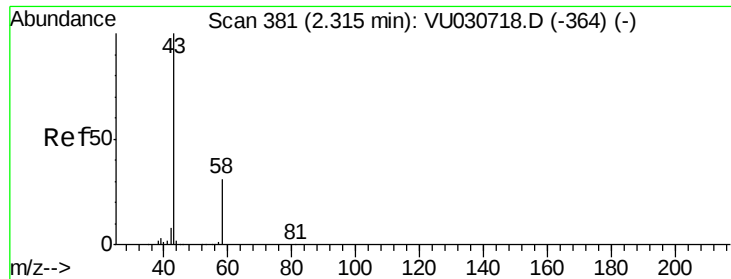
Ion Ratio Lower Upper

96 100

61 1472.5 132.0 245.2#

63 12942.3 90.9 168.9#





#13

Acetone

Concen: 2.838 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.01 min

Lab File: VU030733.D

Acq: 05 Apr 2019 11:14

Instrument :

MSVOA_U

ClientSampleId :

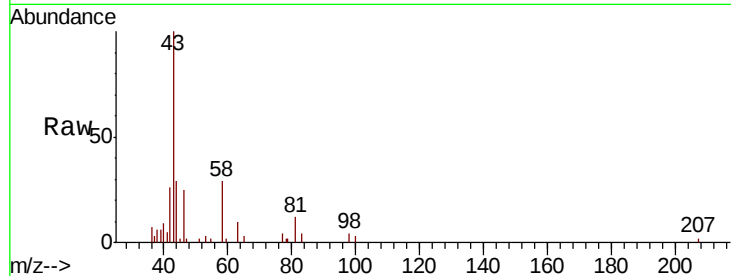
DB7E2

Tot Ion: 43 Resp: 9325

Ion Ratio Lower Upper

43 100

58 32.9 0.0 64.0

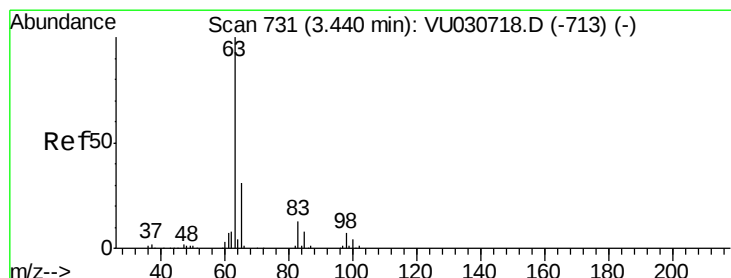
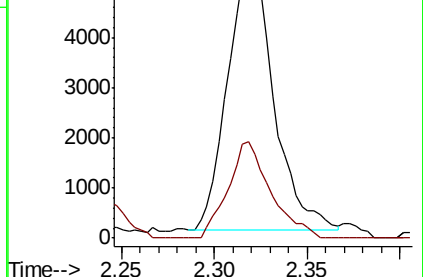
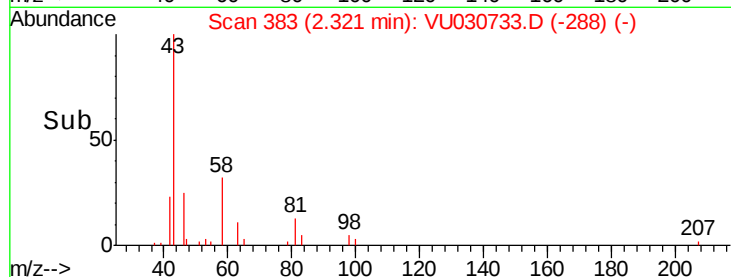


Abundance Ion 43.00 (42.70 to 43.70): VU030718.D (-364) (-)

Ion 58.00 (57.70 to 58.70): VU030718.D (-364) (-)

2.32

Time-->



#19

1,1-Dichloroethane

Concen: 0.641 ug/L

RT: 3.44 min Scan# 731

Delta R.T. -0.00 min

Lab File: VU030733.D

Acq: 05 Apr 2019 11:14

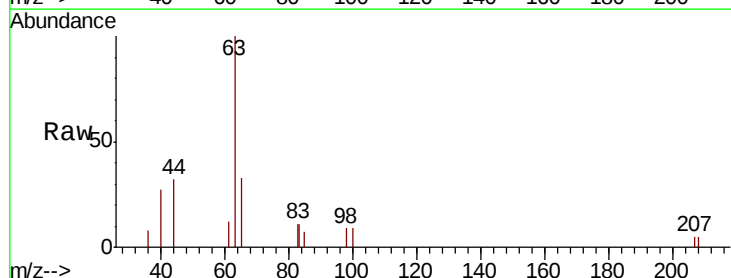
Tgt Ion: 63 Resp: 4406

Ion Ratio Lower Upper

63 100

65 32.8 21.4 39.8

83 22.6 8.5 15.7#



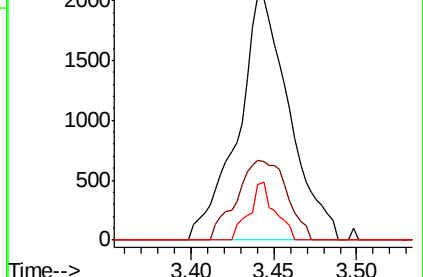
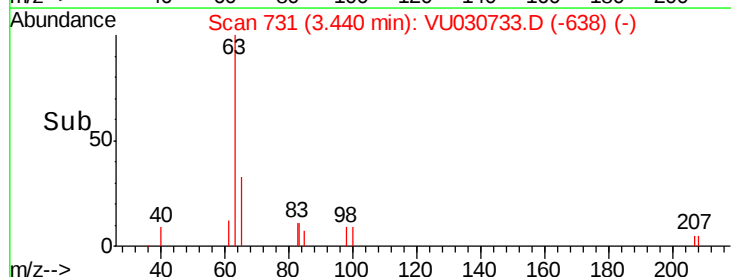
Abundance Ion 63.00 (62.70 to 63.70): VU030718.D (-713) (-)

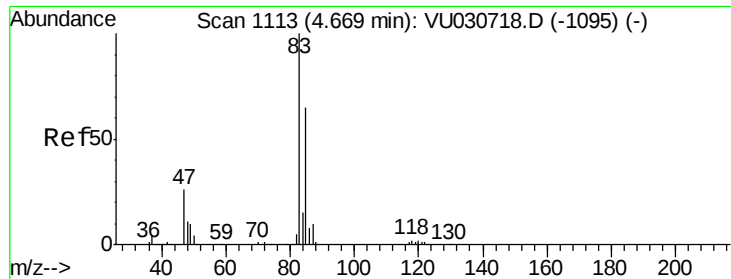
Ion 65.00 (64.70 to 65.70): VU030718.D (-713) (-)

Ion 83.00 (82.70 to 83.70): VU030718.D (-713) (-)

3.44

Time-->





#25

Chloroform

Concen: 2.748 ug/L

RT: 4.66 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VU030733.D

Acq: 05 Apr 2019 11:14

Instrument :

MSVOA_U

ClientSampleId :

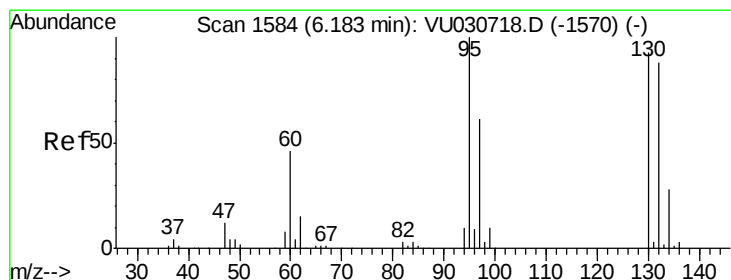
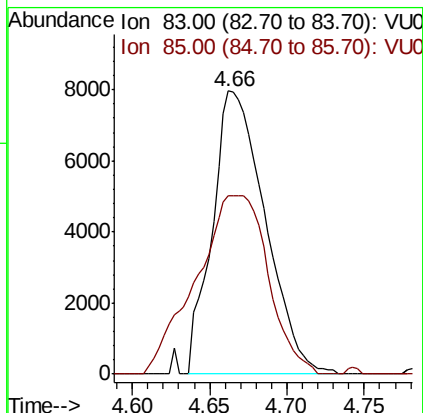
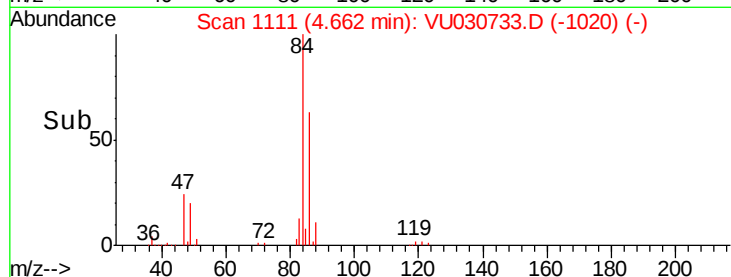
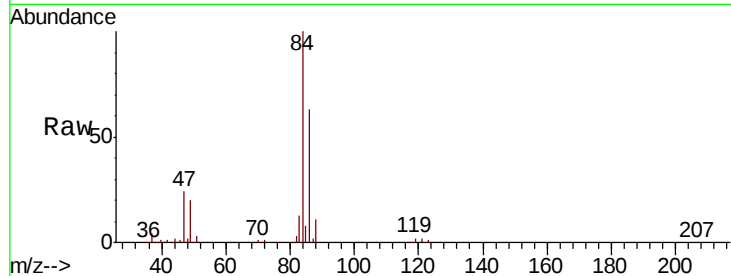
DB7E2

Tot Ion: 83 Resp: 18989

Ion Ratio Lower Upper

83 100

85 63.3 45.8 85.0



#34

Trichloroethene

Concen: 6.569 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. -0.00 min

Lab File: VU030733.D

Acq: 05 Apr 2019 11:14

Tgt Ion: 95 Resp: 23755

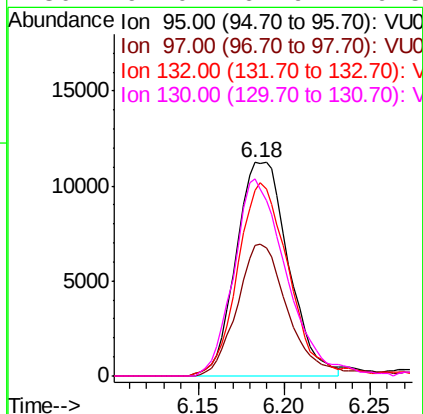
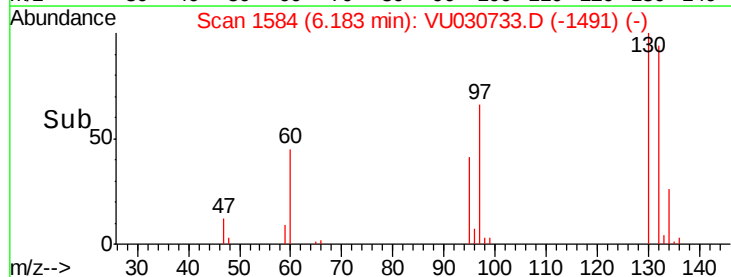
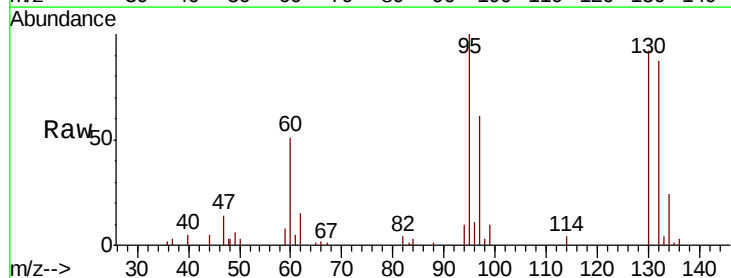
Ion Ratio Lower Upper

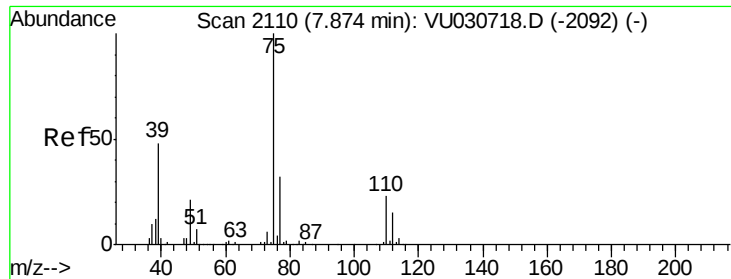
95 100

97 61.0 44.5 82.7

132 87.0 61.5 114.1

130 92.0 64.9 120.5

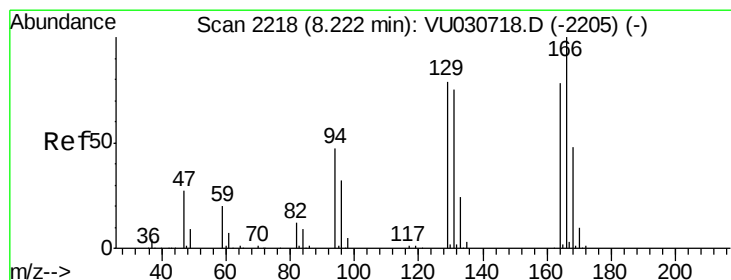
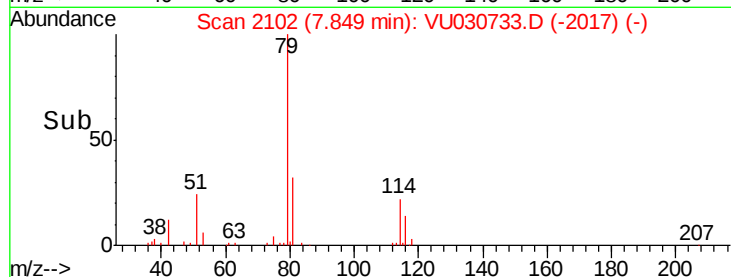
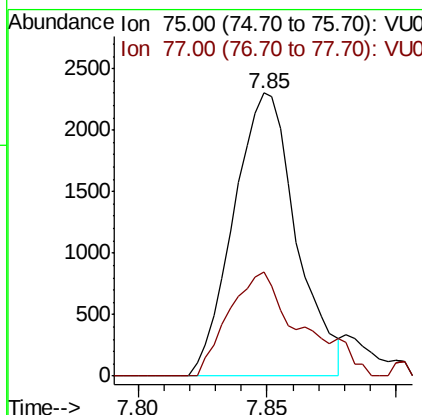
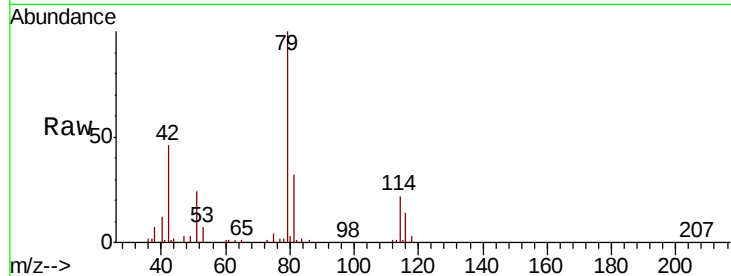




#44
trans-1,3-Dichloropropene
Concen: 0.747 ug/L
RT: 7.85 min Scan# 2102
Delta R.T. -0.03 min
Lab File: VU030733.D
Acq: 05 Apr 2019 11:14

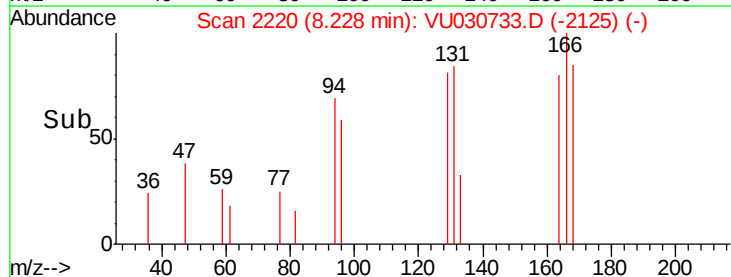
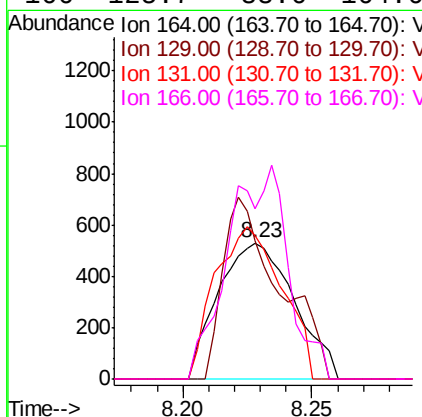
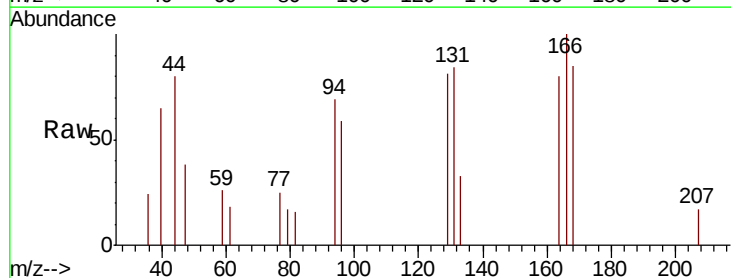
Instrument :
MSVOA_U
ClientSampled :
DB7E2

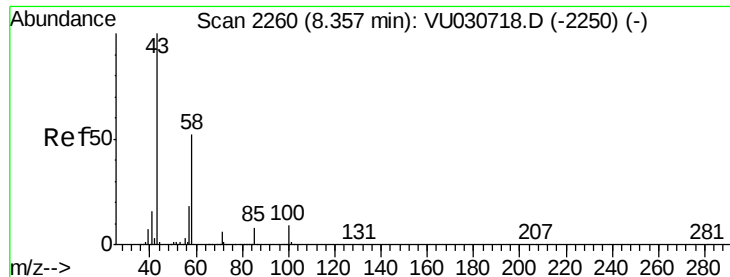
Tot Ion: 75 Resp: 3911
Ion Ratio Lower Upper
75 100
77 37.0 21.6 40.0



#46
Tetrachloroethene
Concen: 0.414 ug/L
RT: 8.23 min Scan# 2220
Delta R.T. 0.01 min
Lab File: VU030733.D
Acq: 05 Apr 2019 11:14

Tgt Ion: 164 Resp: 1089
Ion Ratio Lower Upper
164 100
129 102.1 67.4 125.2
131 105.9 65.9 122.5
166 125.7 88.6 164.6

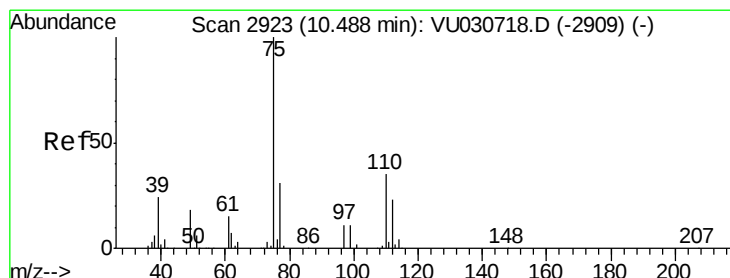
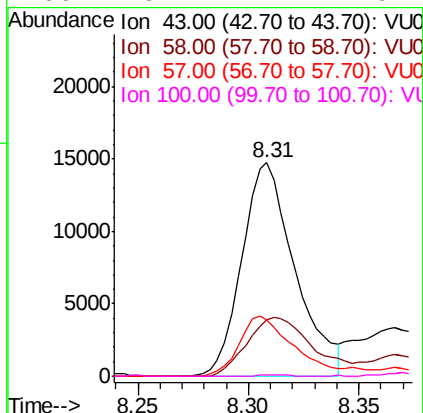
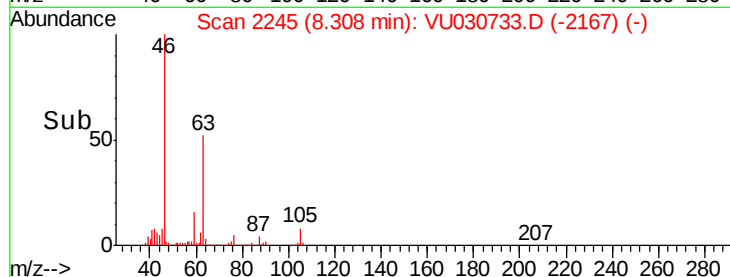
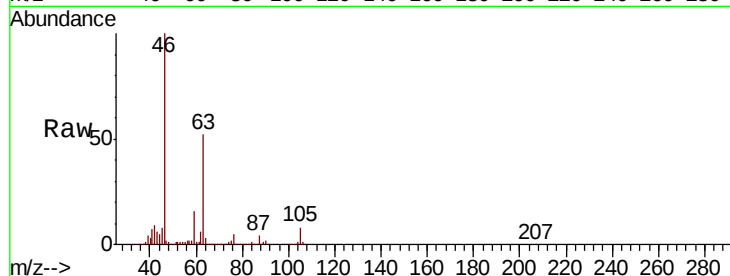




#48
 2-Hexanone
 Concen: 4.709 ug/L
 RT: 8.31 min Scan# 2245
 Delta R.T. -0.05 min
 Lab File: VU030733.D
 Acq: 05 Apr 2019 11:14

Instrument :
 MSVOA_U
 ClientSampleId :
 DB7E2

Tot Ion	Ratio	Lower	Upper
43	100		
58	33.9	41.9	62.9#
57	28.4	14.3	21.5#
100	0.2	7.1	10.7#



#59
 1,2,3-Trichloropropane
 Concen: 4.831 ug/L
 RT: 11.48 min Scan# 3232
 Delta R.T. 0.99 min
 Lab File: VU030733.D
 Acq: 05 Apr 2019 11:14

Tgt Ion	Ratio	Lower	Upper
75	100		
77	38.1	26.1	39.1

