

Data File : VU029762.D
Acq On : 01 Mar 2019 14:31
Operator : JC/SP
Sample : K1660-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
CWJY2

Quant Time: Mar 01 22:16:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR022119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Mar 01 22:12:01 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	239700	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	229213	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	113896	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	90549	5.78	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	115.60%
7) Chloroethane-d5	1.68	69	73548	4.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.80%
11) 1,1-Dichloroethene-d2	2.27	63	130789	3.89	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.80%
20) 2-Butanone-d5	4.19	46	182772	51.64	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.28%
24) Chloroform-d	4.65	84	118082	4.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.60%
26) 1,2-Dichloroethane-d4	5.31	65	73314	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.40%
32) Benzene-d6	5.34	84	318487	5.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.20%
36) 1,2-Dichloropropane-d6	6.33	67	93926	5.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.80%
41) Toluene-d8	7.56	98	291115	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.00%
43) trans-1,3-Dichloropropene-	7.85	79	33888	4.82	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.40%
46) 2-Hexanone-d5	8.31	63	176732	51.30	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.60%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	74355	4.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	117140	5.23	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.60%

Target Compounds

					Qvalue
3) Chloromethane	1.33	50	4023	0.249 ug/L	95
5) Vinyl chloride	1.40	62	6103	0.299 ug/L #	54
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1466	0.078 ug/L #	17
12) 1,1-Dichloroethene	2.28	96	6606	0.372 ug/L #	1
13) Acetone	2.32	43	3082	1.212 ug/L	89
18) trans-1,2-Dichloroethene	2.98	96	5978	0.309 ug/L	86
19) 1,1-Dichloroethane	3.44	63	3357	0.111 ug/L	91
22) cis-1,2-Dichloroethene	4.22	96	350491	19.777 ug/L	97
25) Chloroform	4.67	83	30596	1.014 ug/L	93
33) Benzene	5.39	78	3703	0.061 ug/L	100
34) Trichloroethene	6.18	95	1336324	79.024 ug/L	97
37) 1,2-Dichloropropane	6.33	63	9804	0.642 ug/L #	88
39) cis-1,3-Dichloropropene	7.23	75	2420	0.108 ug/L #	78
42) Toluene	7.64	91	42890	0.624 ug/L	97
47) Tetrachloroethene	8.22	164	30270	1.928 ug/L	97
48) 2-Hexanone	8.31	43	18059	2.879 ug/L #	68
49) Dibromochloromethane	8.22	129	26782	1.850 ug/L #	12

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU030119\
Quantitation Report (Not Reviewed)

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Response via : Initial Calibration

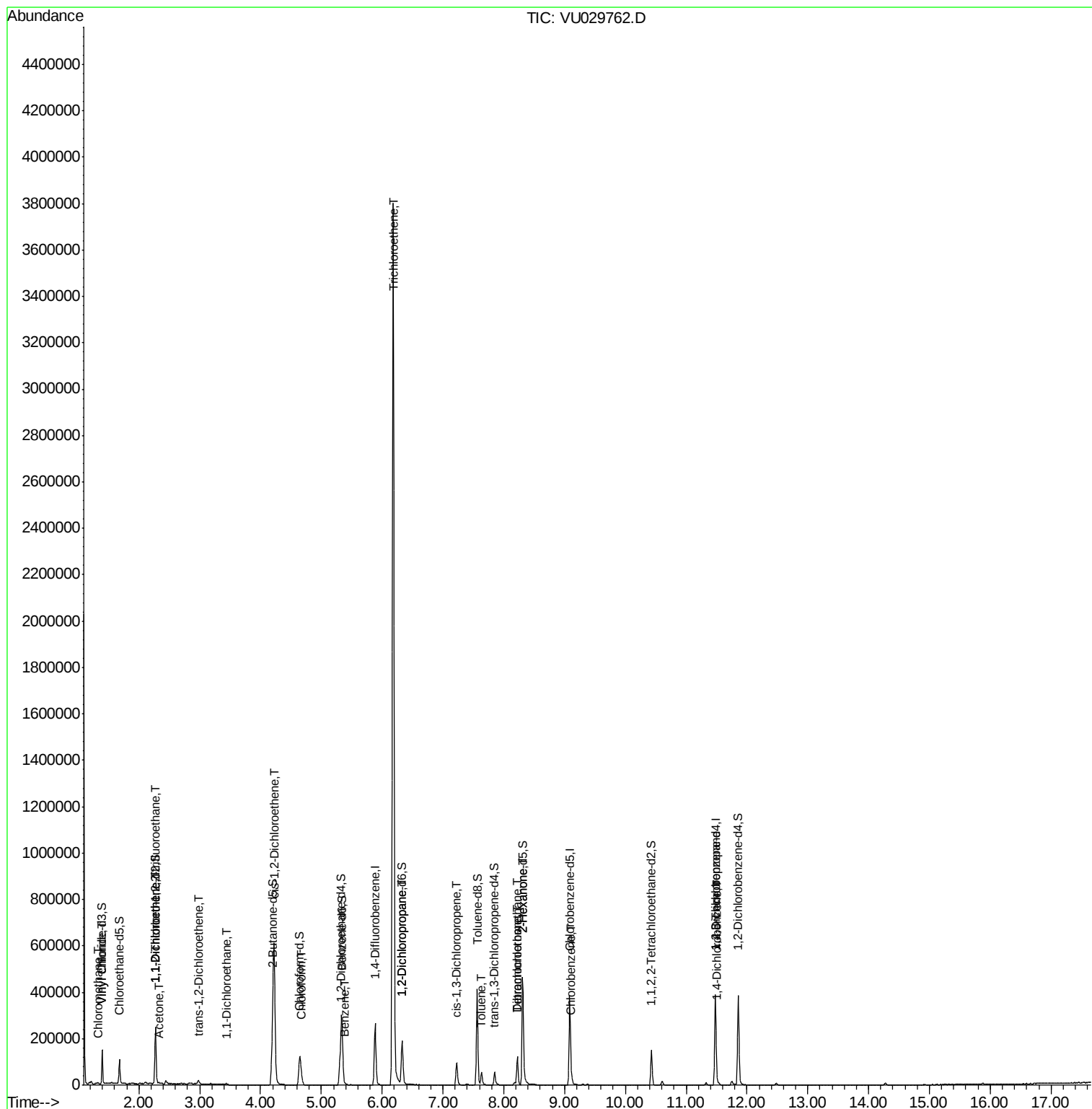
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) Chlorobenzene	9.12	112	17056	0.361	ug/L	97
59) 1,2,3-Trichloropropane	11.48	75	12359	1.213	ug/L	100
63) 1,4-Dichlorobenzene	11.50	146	3863	0.105	ug/L	98

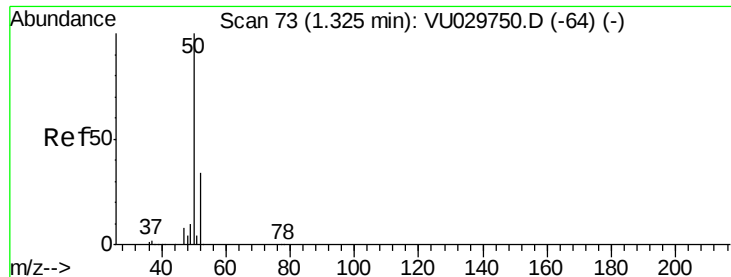
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.249 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU029762.D

Acq: 01 Mar 2019 14:31

Instrument :

MSVOA_U

ClientSampleId :

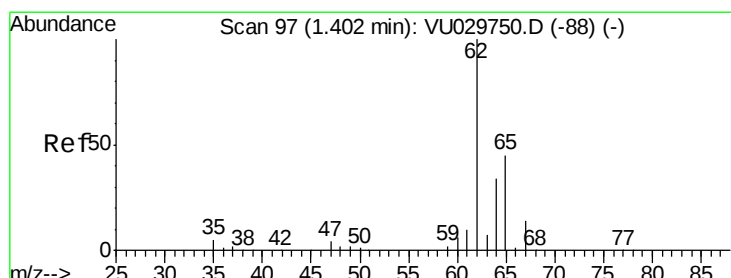
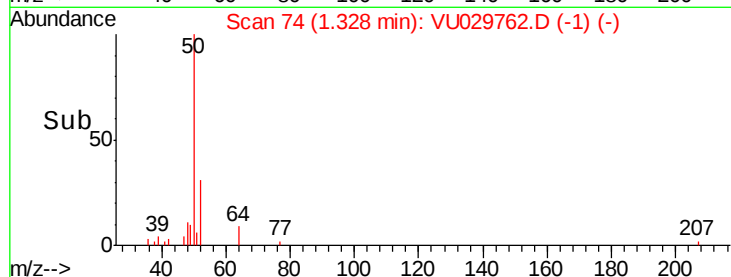
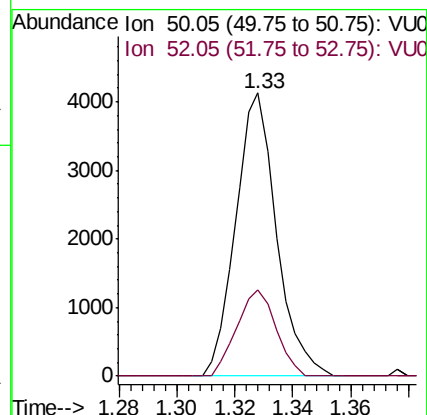
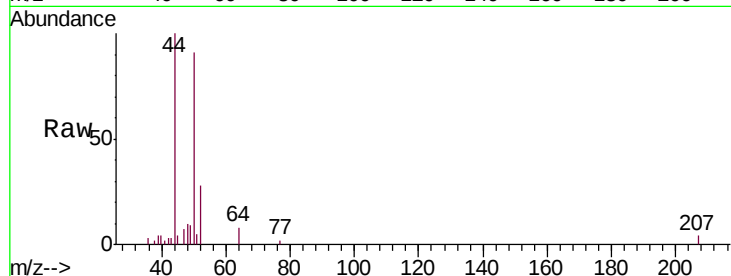
CWJY2

Tgt Ion: 50 Resp: 4023

Ion Ratio Lower Upper

50 100

52 30.5 23.5 43.7



#5

Vinyl chloride

Concen: 0.299 ug/L

RT: 1.40 min Scan# 97

Delta R.T. 0.00 min

Lab File: VU029762.D

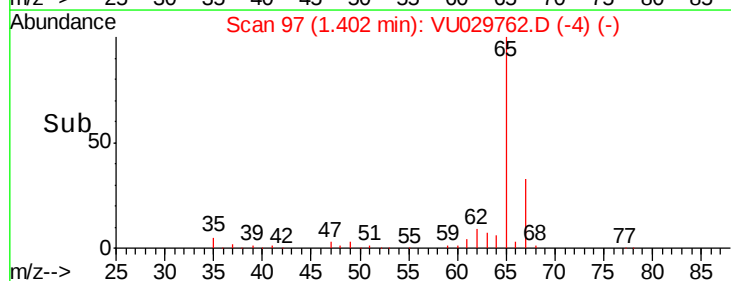
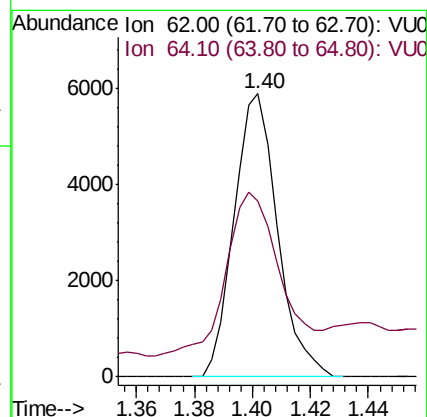
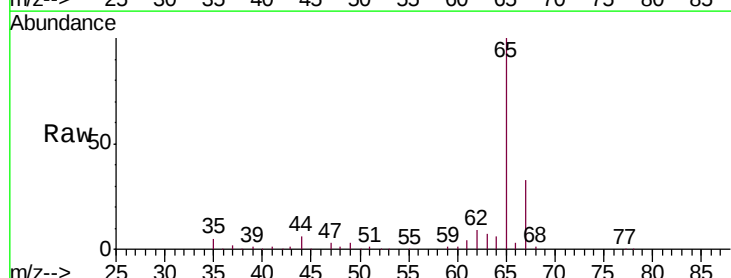
Acq: 01 Mar 2019 14:31

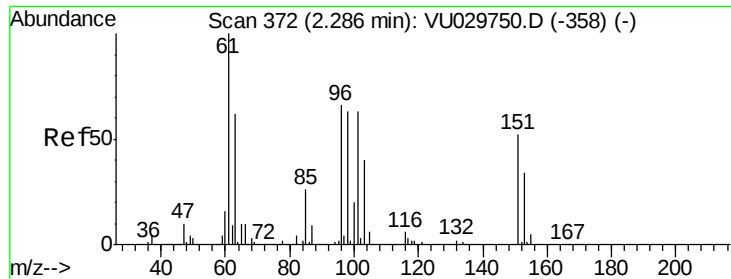
Tgt Ion: 62 Resp: 6103

Ion Ratio Lower Upper

62 100

64 62.3 24.8 46.1#





#10

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

Concen: 0.078 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.02 min

Lab File: VU029762.D

Acq: 01 Mar 2019 14:31

Instrument :

MSVOA_U

ClientSampleId :

CWJY2

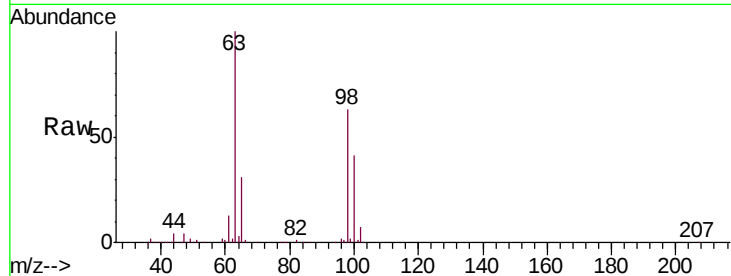
Tgt Ion: 101 Resp: 1466

Ion Ratio Lower Upper

101 100

85 0.0 32.8 49.2#

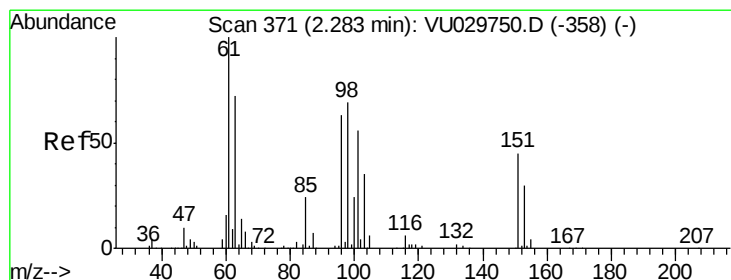
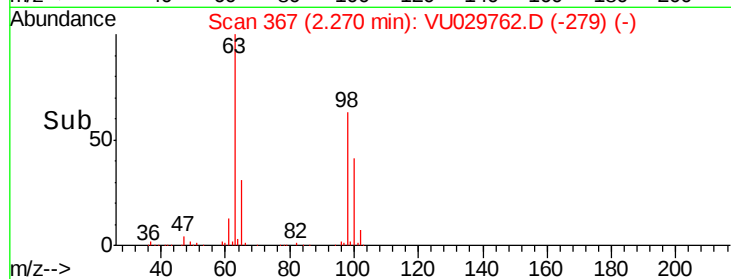
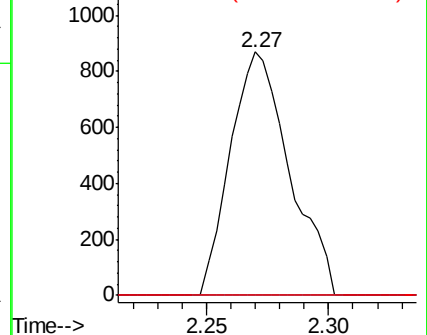
151 0.0 65.9 98.9#



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



#12

1,1-Dichloroethene

Concen: 0.372 ug/L

RT: 2.28 min Scan# 371

Delta R.T. 0.00 min

Lab File: VU029762.D

Acq: 01 Mar 2019 14:31

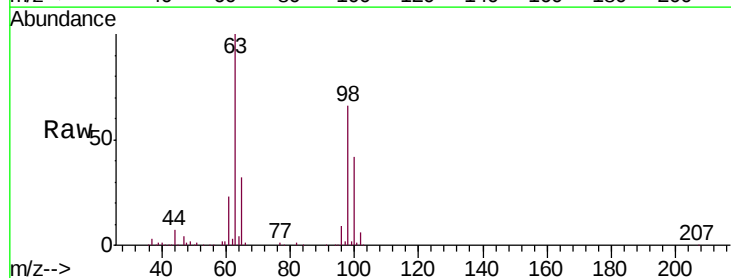
Tgt Ion: 96 Resp: 6606

Ion Ratio Lower Upper

96 100

61 267.7 111.3 206.7#

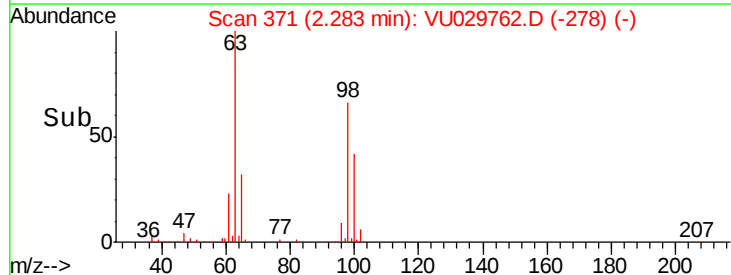
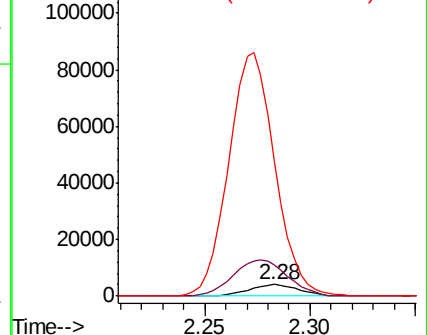
63 1165.1 88.5 164.3#

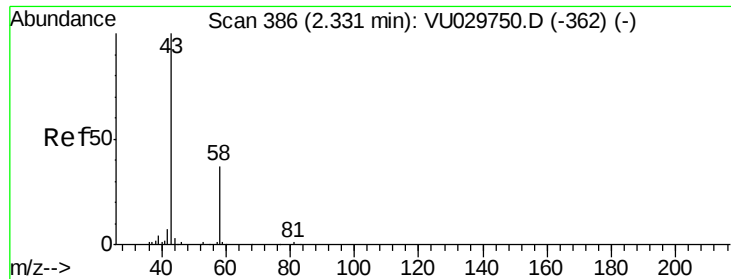


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.212 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.01 min

Lab File: VU029762.D

Acq: 01 Mar 2019 14:31

Instrument :

MSVOA_U

ClientSampleId :

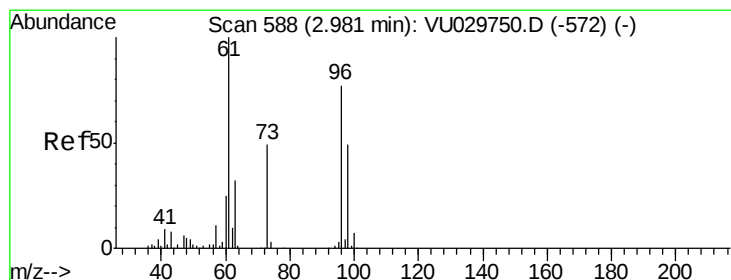
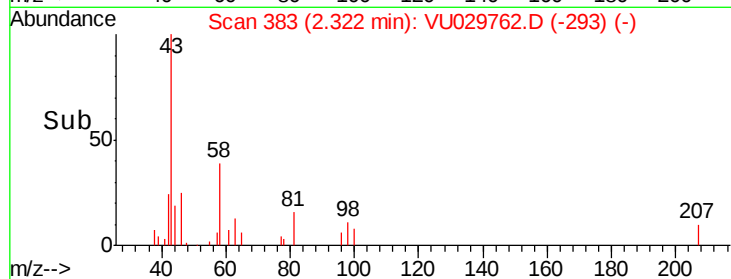
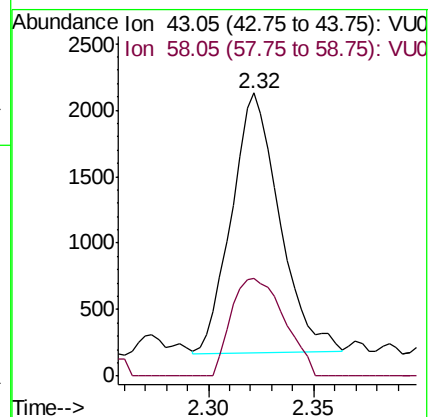
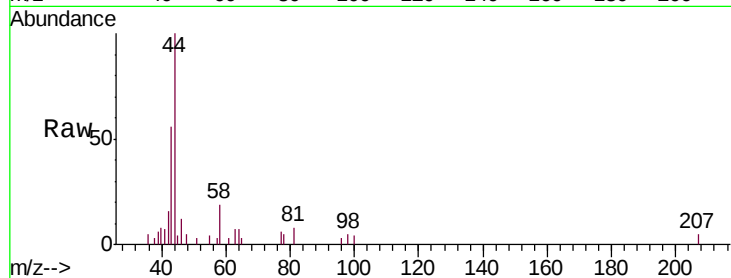
CWJY2

Tgt Ion: 43 Resp: 3082

Ion Ratio Lower Upper

43 100

58 41.5 0.0 70.2



#18

trans-1,2-Dichloroethene

Concen: 0.309 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU029762.D

Acq: 01 Mar 2019 14:31

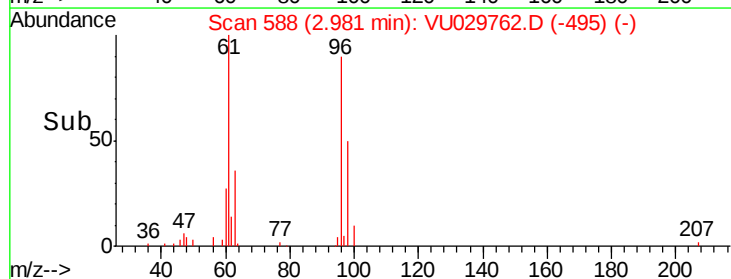
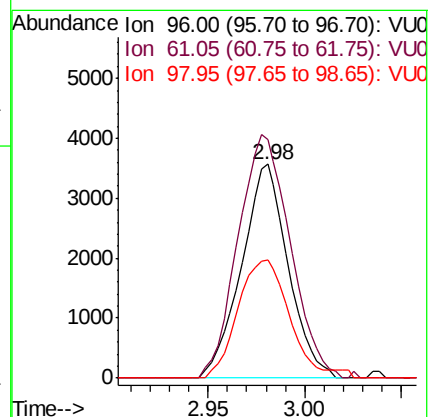
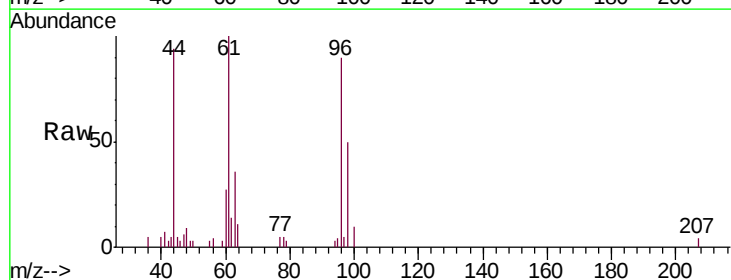
Tgt Ion: 96 Resp: 5978

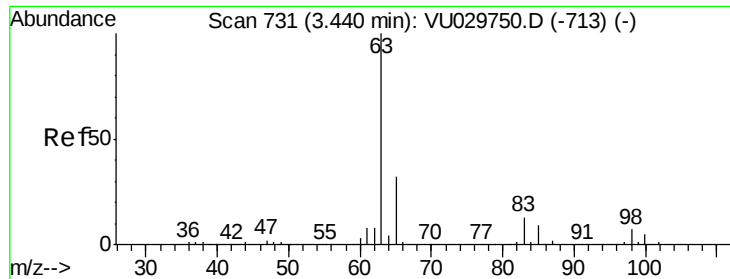
Ion Ratio Lower Upper

96 100

61 111.4 90.3 167.7

98 55.3 45.2 84.0

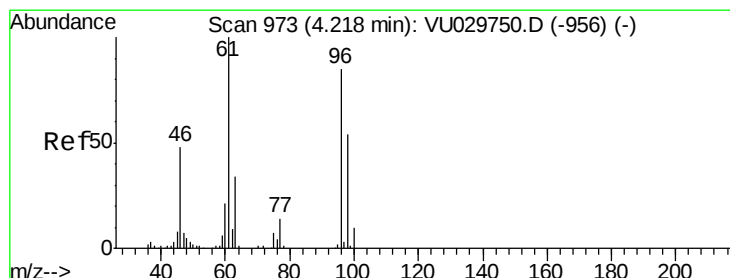
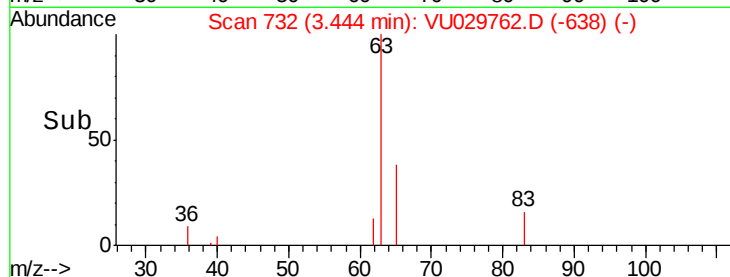
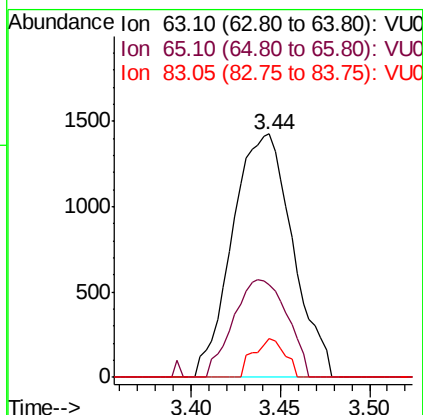
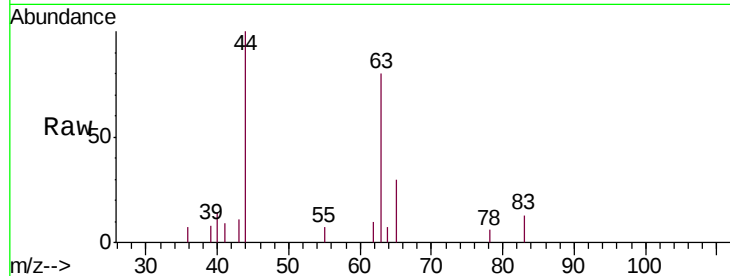




#19
 1,1-Dichloroethane
 Concen: 0.111 ug/L
 RT: 3.44 min Scan# 732
 Delta R.T. 0.00 min
 Lab File: VU029762.D
 Acq: 01 Mar 2019 14:31

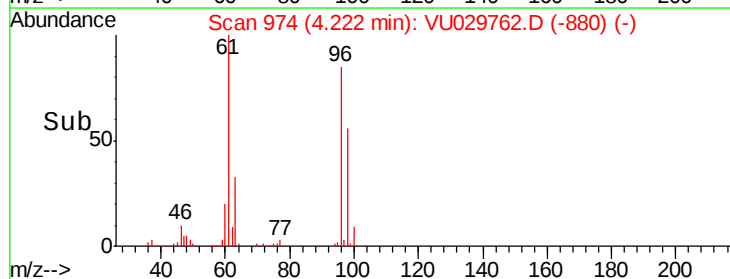
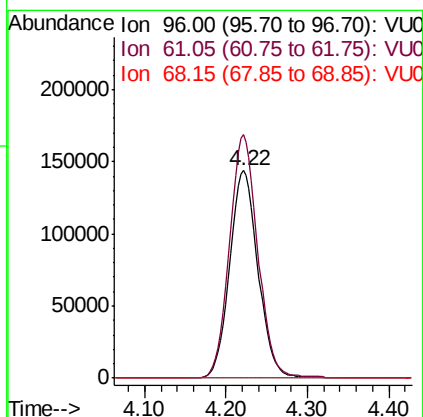
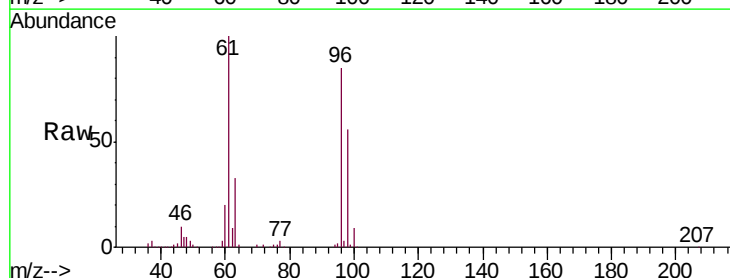
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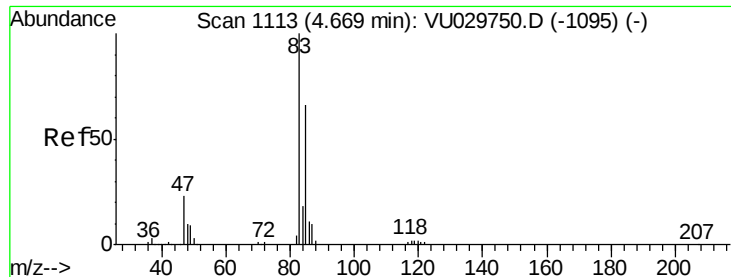
Tgt Ion: 63 Resp: 3357
 Ion Ratio Lower Upper
 63 100
 65 38.1 22.3 41.5
 83 16.0 9.9 18.5



#22
 cis-1,2-Dichloroethene
 Concen: 19.777 ug/L
 RT: 4.22 min Scan# 974
 Delta R.T. 0.00 min
 Lab File: VU029762.D
 Acq: 01 Mar 2019 14:31

Tgt Ion: 96 Resp: 350491
 Ion Ratio Lower Upper
 96 100
 61 117.4 80.2 149.0
 68 0.0 0.0 0.0

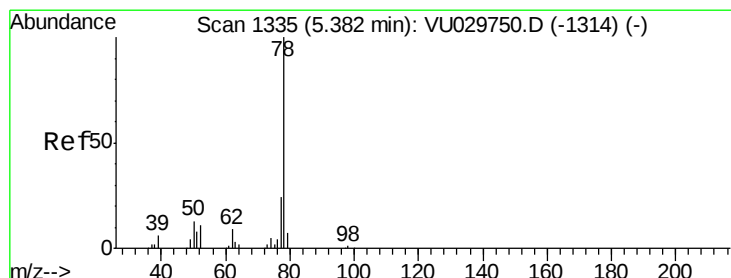
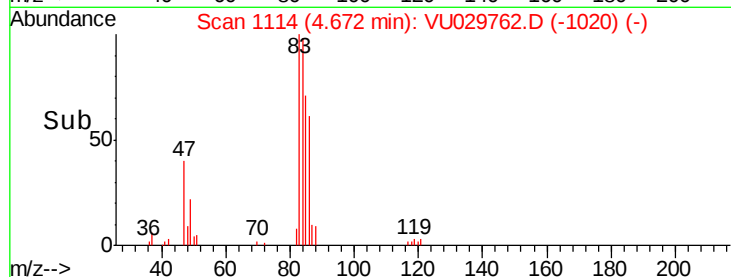
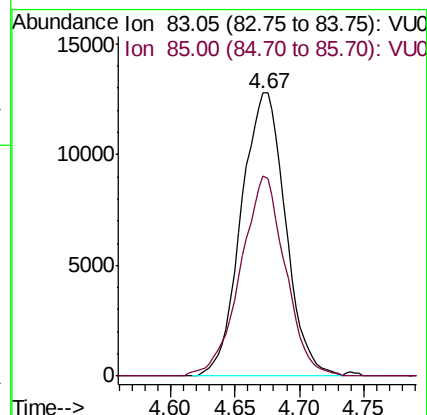
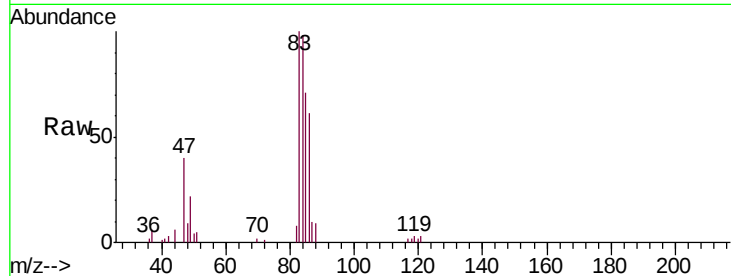




#25
Chloroform
Concen: 1.014 ug/L
RT: 4.67 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VU029762.D
Acq: 01 Mar 2019 14:31

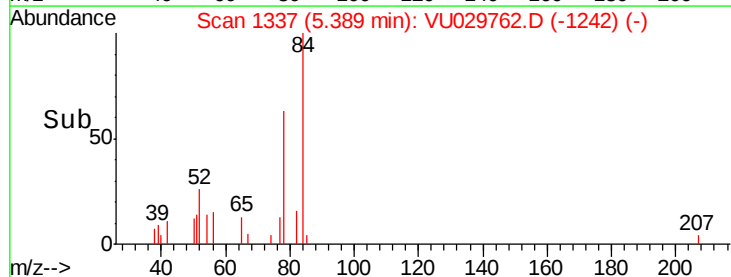
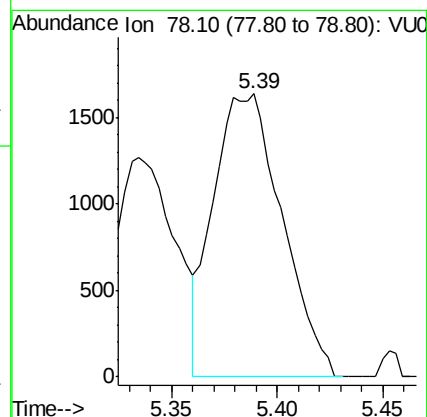
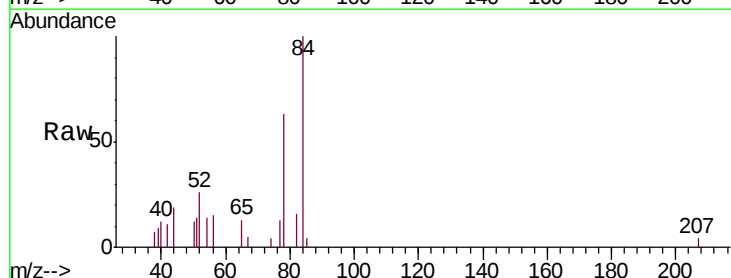
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ClientSampled :
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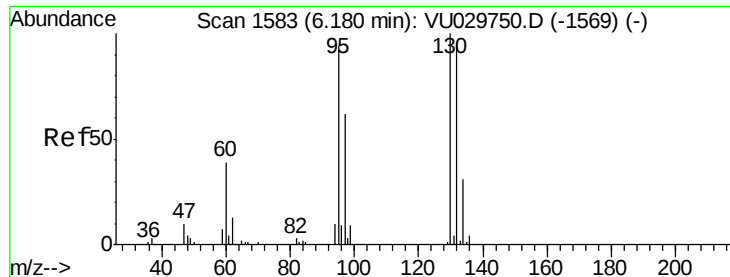
Tgt Ion: 83 Resp: 30596
Ion Ratio Lower Upper
83 100
85 70.7 45.6 84.6



#33
Benzene
Concen: 0.061 ug/L
RT: 5.39 min Scan# 1337
Delta R.T. 0.01 min
Lab File: VU029762.D
Acq: 01 Mar 2019 14:31

Tgt Ion: 78 Resp: 3703

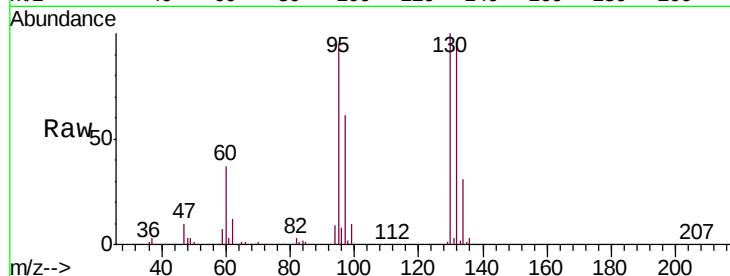




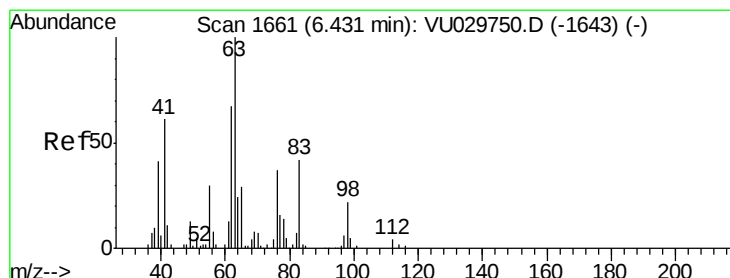
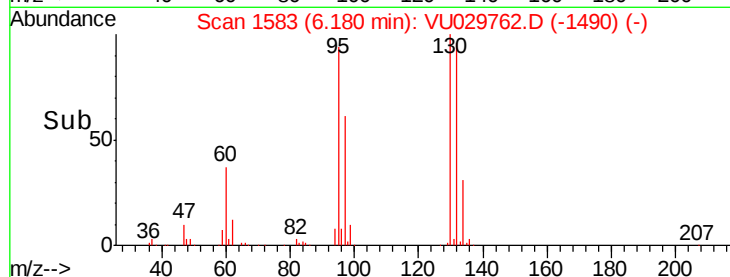
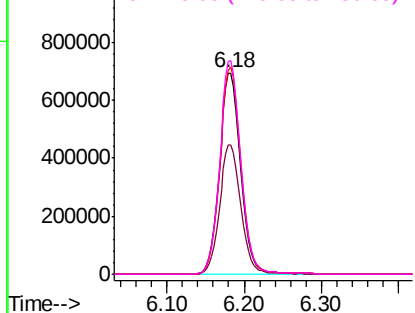
#34
 Trichloroethene
 Concen: 79.024 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VU029762.D
 Acq: 01 Mar 2019 14:31

Instrument :
 MSVOA_U
 ClientSampleId :
 CWJY2

Tgt Ion: 95 Resp: 1336324
 Ion Ratio Lower Upper
 95 100
 97 64.4 45.6 84.8
 132 101.2 72.9 135.3
 130 105.6 77.5 143.9

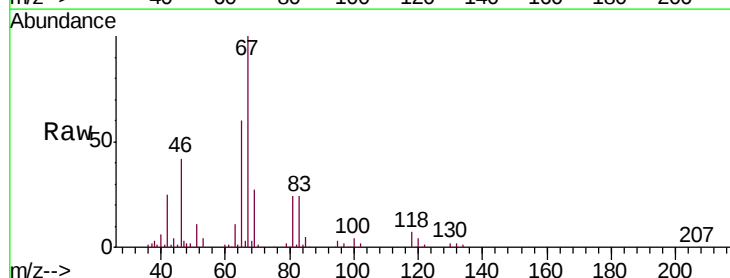


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

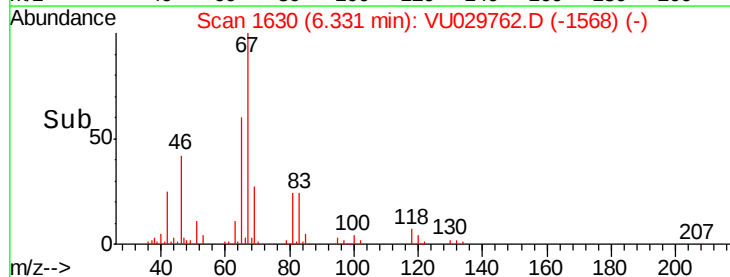
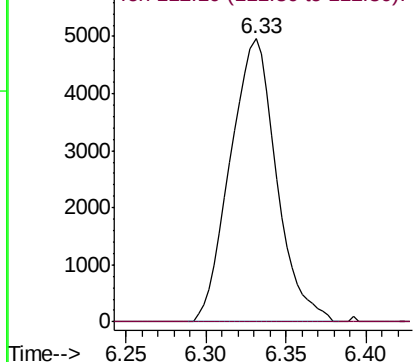


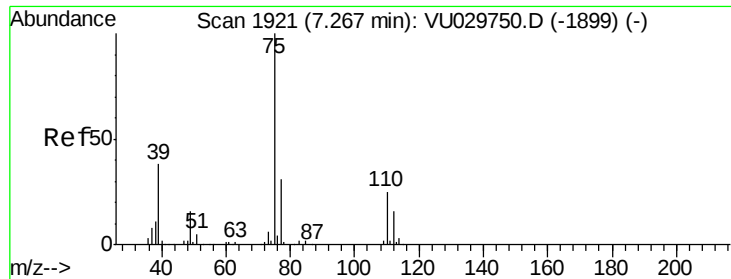
#37
 1,2-Dichloropropane
 Concen: 0.642 ug/L
 RT: 6.33 min Scan# 1630
 Delta R.T. -0.10 min
 Lab File: VU029762.D
 Acq: 01 Mar 2019 14:31

Tgt Ion: 63 Resp: 9804
 Ion Ratio Lower Upper
 63 100
 112 0.4 3.6 5.4#



Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 112.10 (111.80 to 112.80): V

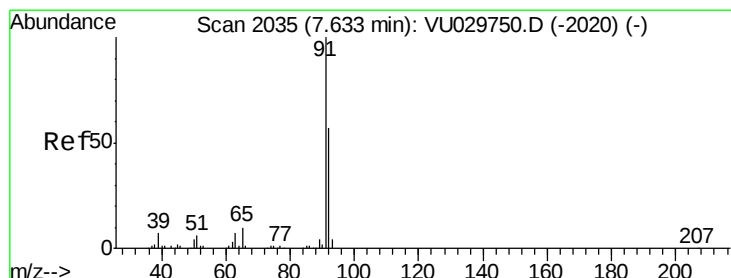
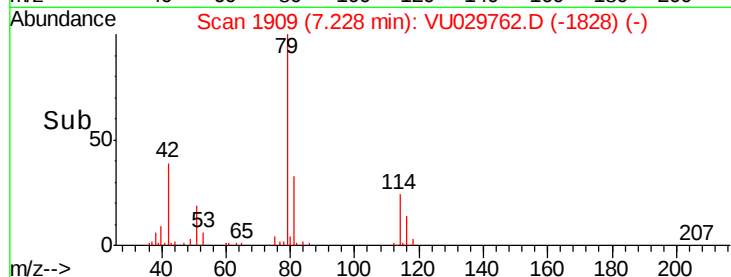
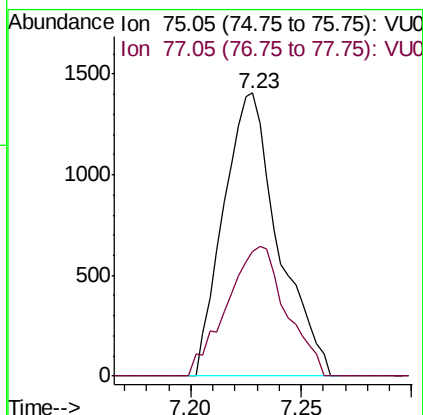
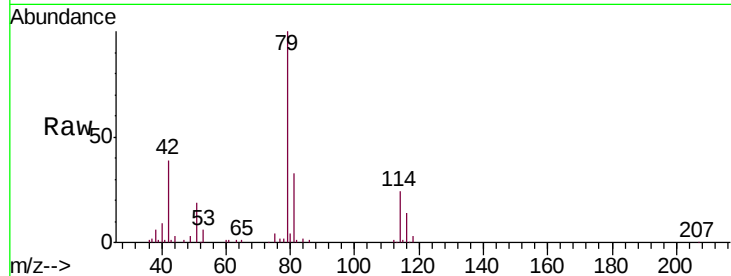




#39
 cis-1,3-Dichloropropene
 Concen: 0.108 ug/L
 RT: 7.23 min Scan# 1909
 Delta R.T. -0.04 min
 Lab File: VU029762.D
 Acq: 01 Mar 2019 14:31

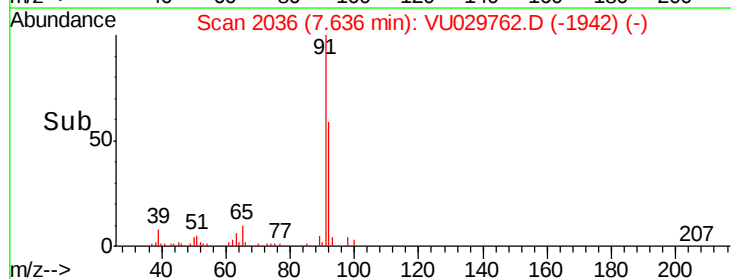
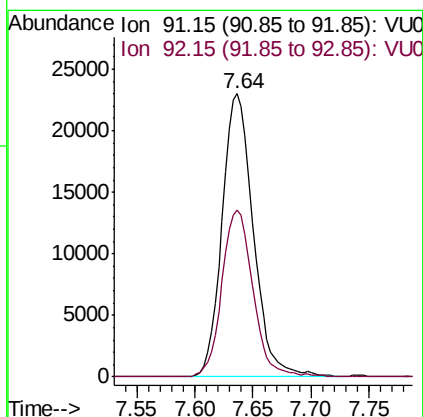
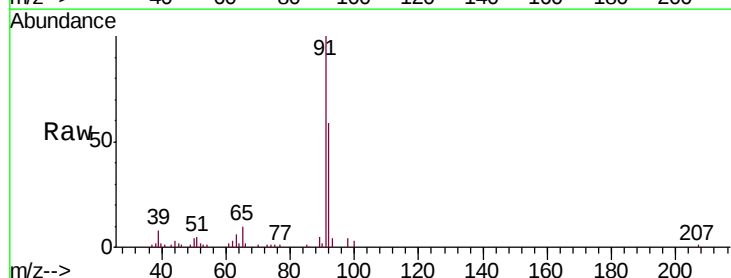
Instrument :
 MSVOA_U
 ClientSampleId :
 CWJY2

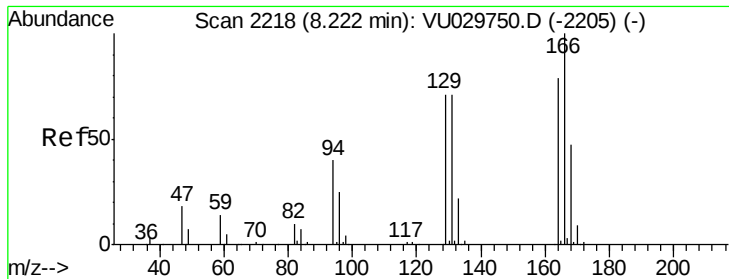
Tgt Ion: 75 Resp: 2420
 Ion Ratio Lower Upper
 75 100
 77 44.2 22.3 41.5#



#42
 Toluene
 Concen: 0.624 ug/L
 RT: 7.64 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VU029762.D
 Acq: 01 Mar 2019 14:31

Tgt Ion: 91 Resp: 42890
 Ion Ratio Lower Upper
 91 100
 92 59.2 40.1 74.5

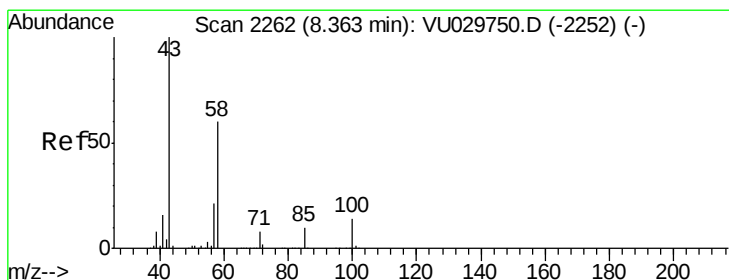
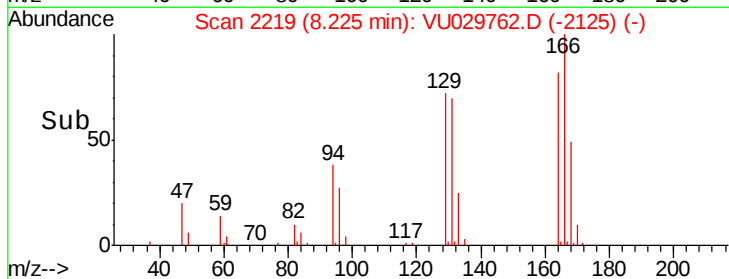
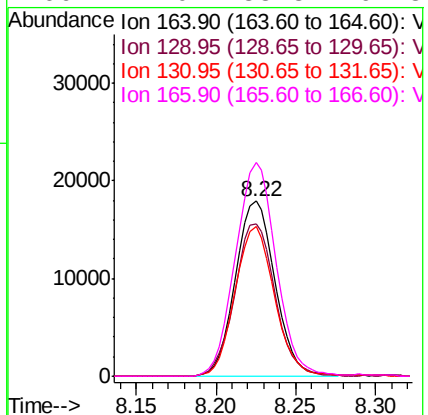
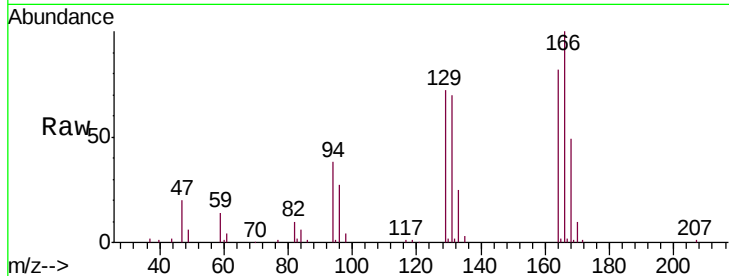




#47
Tetrachloroethene
Concen: 1.928 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU029762.D
Acq: 01 Mar 2019 14:31

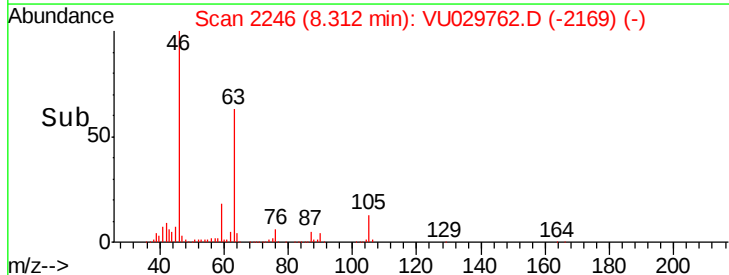
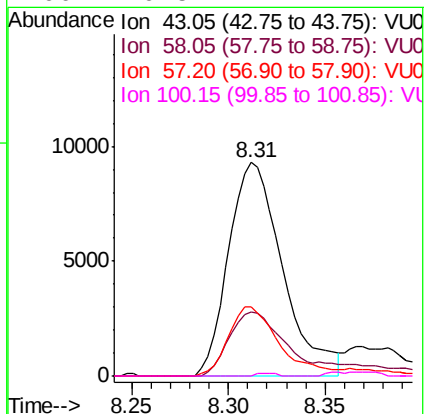
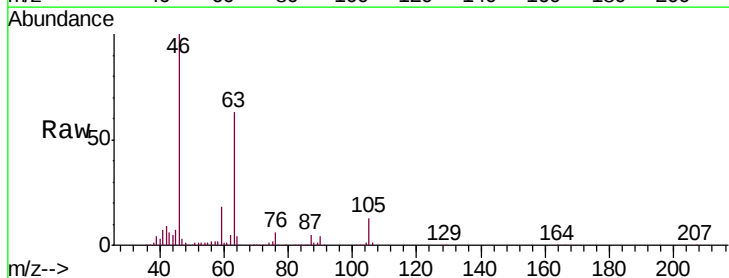
Instrument :
MSVOA_U
ClientSampleId :
CWJY2

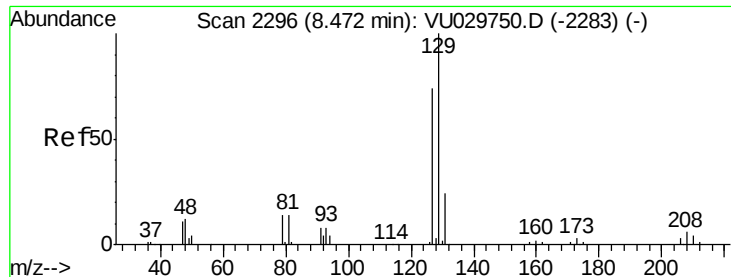
Tgt Ion:	164	Resp:	30270
Ion	Ratio	Lower	Upper
164	100		
129	87.4	62.9	116.7
131	85.2	61.8	114.8
166	122.0	88.8	164.8



#48
2-Hexanone
Concen: 2.879 ug/L
RT: 8.31 min Scan# 2246
Delta R.T. -0.05 min
Lab File: VU029762.D
Acq: 01 Mar 2019 14:31

Tgt Ion:	43	Resp:	18059
Ion	Ratio	Lower	Upper
43	100		
58	32.0	46.6	69.8#
57	30.7	15.9	23.9#
100	0.5	11.4	17.2#





#49

Dibromochloromethane

Concen: 1.850 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. -0.25 min

Lab File: VU029762.D

Acq: 01 Mar 2019 14:31

Instrument :

MSVOA_U

ClientSampleId :

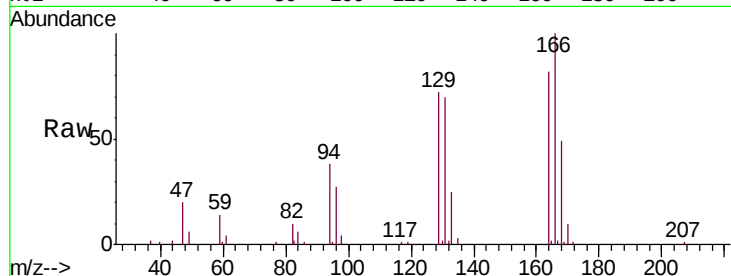
CWJY2

Tgt Ion:129 Resp: 26782

Ion Ratio Lower Upper

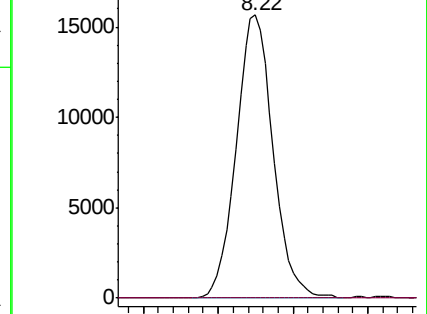
129 100

127 0.0 52.5 97.5#

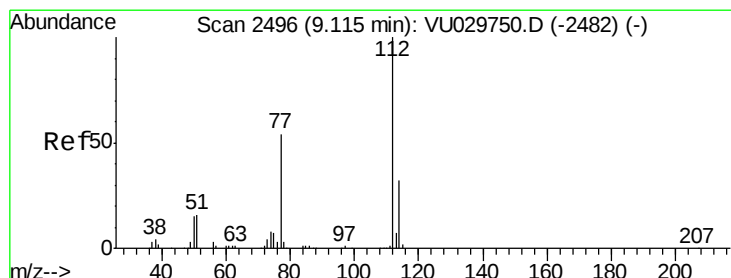
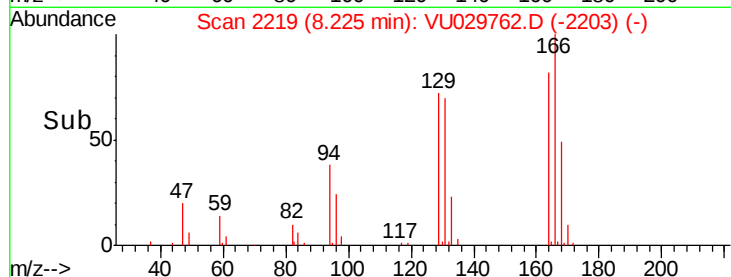


Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



Time-->



#51

Chlorobenzene

Concen: 0.361 ug/L

RT: 9.12 min Scan# 2496

Delta R.T. 0.00 min

Lab File: VU029762.D

Acq: 01 Mar 2019 14:31

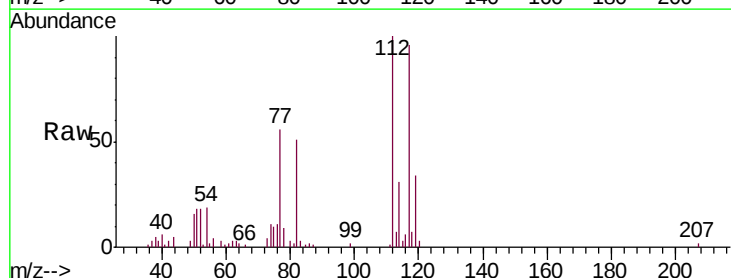
Tgt Ion:112 Resp: 17056

Ion Ratio Lower Upper

112 100

114 31.2 22.3 41.3

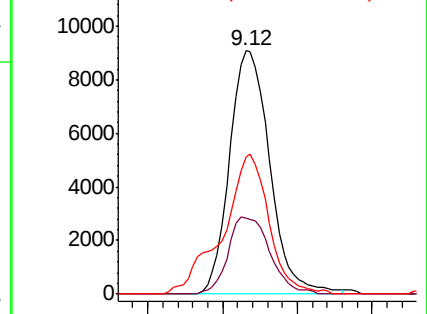
77 56.5 42.7 64.1



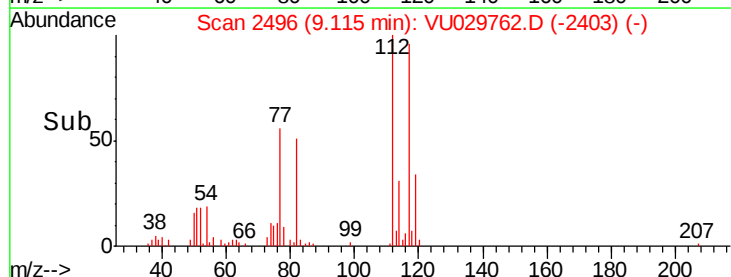
Abundance Ion 112.10 (111.80 to 112.80): V

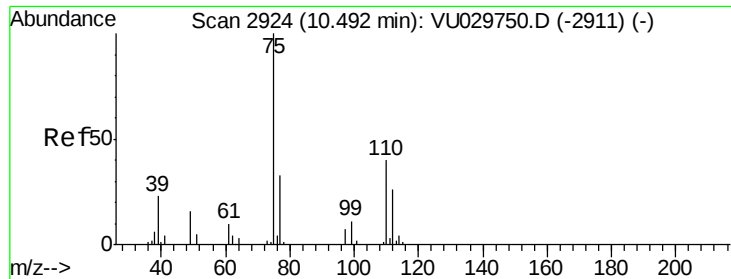
Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU0



Time-->

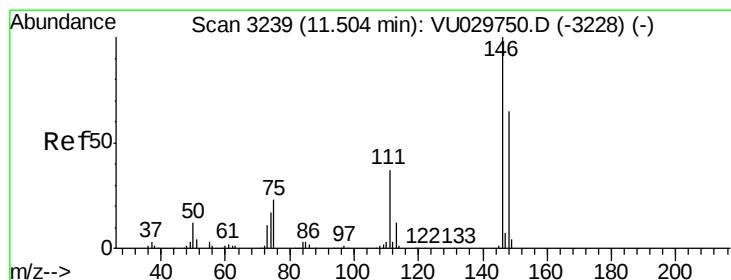
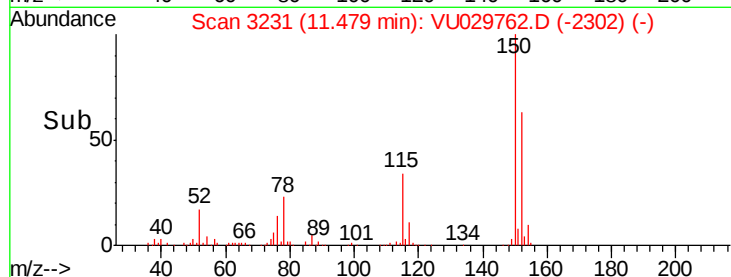
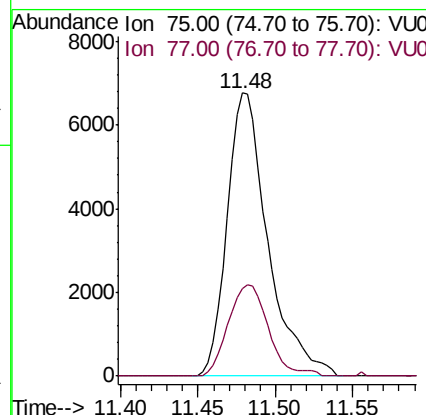
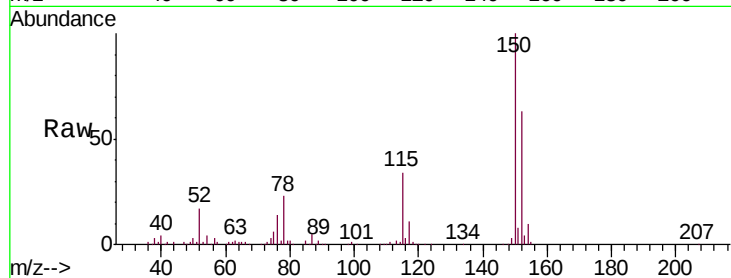




#59
 1,2,3-Trichloropropane
 Concen: 1.213 ug/L
 RT: 11.48 min Scan# 3231
 Delta R.T. 0.99 min
 Lab File: VU029762.D
 Acq: 01 Mar 2019 14:31

Instrument :
 MSVOA_U
 ClientSampleId :
 CWJY2

Tgt Ion: 75 Resp: 12359
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.6 38.4



#63
 1,4-Dichlorobenzene
 Concen: 0.105 ug/L
 RT: 11.50 min Scan# 3239
 Delta R.T. 0.00 min
 Lab File: VU029762.D
 Acq: 01 Mar 2019 14:31

Tgt Ion: 146 Resp: 3863
 Ion Ratio Lower Upper
 146 100
 111 36.8 25.4 47.2
 148 60.2 43.7 81.1

