

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041019\
 Data File : VU030931.D
 Acq On : 09 Apr 2019 01:49
 Operator : JC/SP
 Sample : K2248-18
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YD3

Quant Time: Apr 09 03:39:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR032919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Apr 09 03:34:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	220670	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	229729	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	89294	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	90679	5.38	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	107.60%
7) Chloroethane-d5	1.68	69	82686	6.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	121.60%
11) 1,1-Dichloroethene-d2	2.27	63	141804	4.11	ug/L	-0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.20%
20) 2-Butanone-d5	4.19	46	317211	73.00	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	146.00%#
24) Chloroform-d	4.64	84	156537	5.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.40%
26) 1,2-Dichloroethane-d4	5.31	65	98432	6.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	129.80%
32) Benzene-d6	5.33	84	314505	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.00%
36) 1,2-Dichloropropane-d6	6.33	67	109247	5.38	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.60%
41) Toluene-d8	7.56	98	246325	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.20%
43) trans-1,3-Dichloropropene-	7.85	79	36616	4.86	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.20%
46) 2-Hexanone-d5	8.31	63	186737	56.99	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.98%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	93097	6.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	128.20%#
64) 1,2-Dichlorobenzene-d4	11.86	152	88928	5.95	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	119.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.40	62	6619	0.251	ug/L #	1
12) 1,1-Dichloroethene	2.28	96	5446	0.338	ug/L #	1
13) Acetone	2.32	43	25059	7.459	ug/L	95
18) trans-1,2-Dichloroethene	2.97	96	1742	0.102	ug/L	72
19) 1,1-Dichloroethane	3.43	63	20079	0.558	ug/L	96
21) 2-Butanone	4.30	43	7159	1.345	ug/L	79
22) cis-1,2-Dichloroethene	4.22	96	26330	1.453	ug/L	95
25) Chloroform	4.67	83	14181	0.433	ug/L	97
29) 1,1,1-Trichloroethane	4.91	97	75271	2.572	ug/L	97
31) Carbon tetrachloride	4.91	117	9214	0.375	ug/L	89
35) Methylcyclohexane	6.33	83	23167	0.746	ug/L #	15
37) 1,2-Dichloropropane	6.33	63	11692	0.547	ug/L #	92
47) Tetrachloroethene	8.22	164	5285	0.387	ug/L	92
48) 2-Hexanone	8.37	43	14975	1.620	ug/L #	95
49) Dibromochloromethane	8.22	129	5362	0.352	ug/L #	13
59) 1,2,3-Trichloropropane	11.48	75	10463	0.876	ug/L	89

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Apr 09 03:34:38 2019
Response via : Initial Calibration

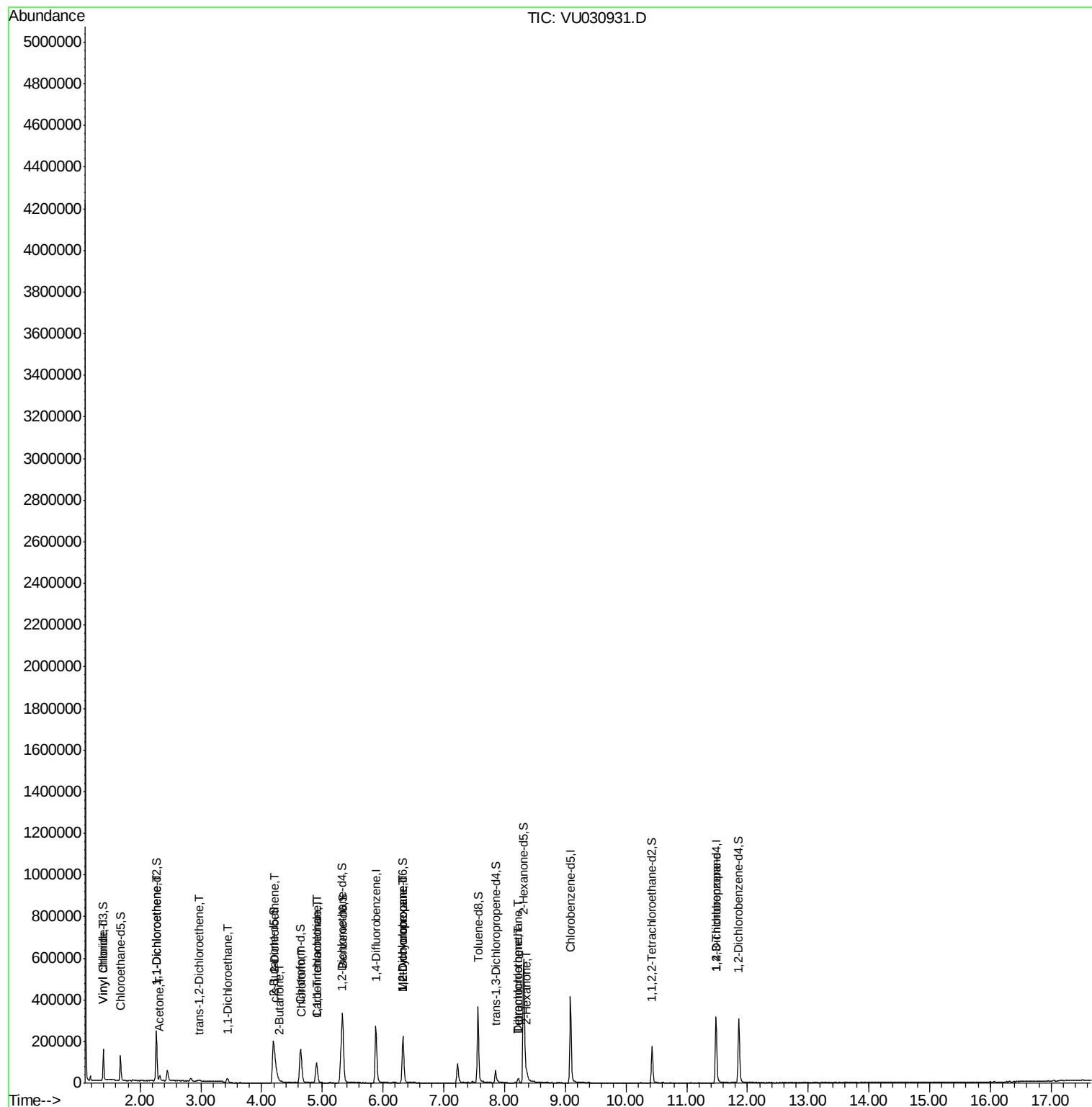
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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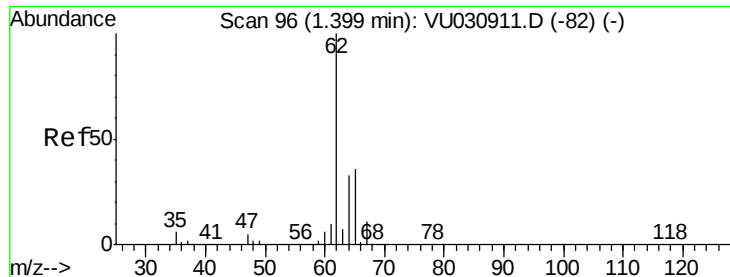
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Apr 09 03:34:38 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.251 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU030931.D

Acq: 09 Apr 2019 01:49

Instrument :

MSVOA_U

ClientSampleId :

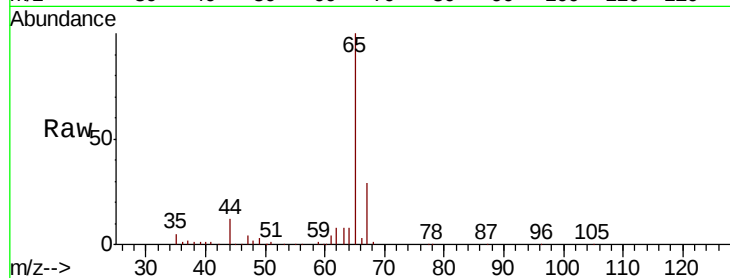
E3YD3

Tot Ion: 62 Resp: 6619

Ion Ratio Lower Upper

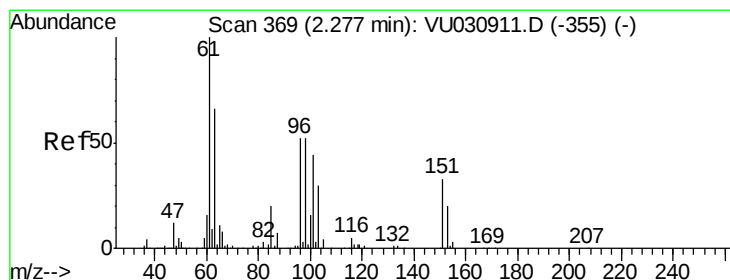
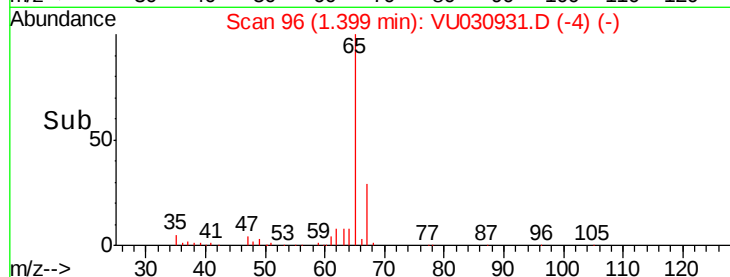
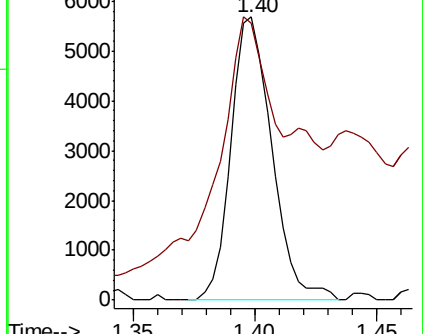
62 100

64 97.8 22.5 41.9#



Abundance Ion 62.00 (61.70 to 62.70): VU030931.D (-82) (-)

Ion 64.10 (63.80 to 64.80): VU030931.D (-82) (-)



#12

1,1-Dichloroethene

Concen: 0.338 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.01 min

Lab File: VU030931.D

Acq: 09 Apr 2019 01:49

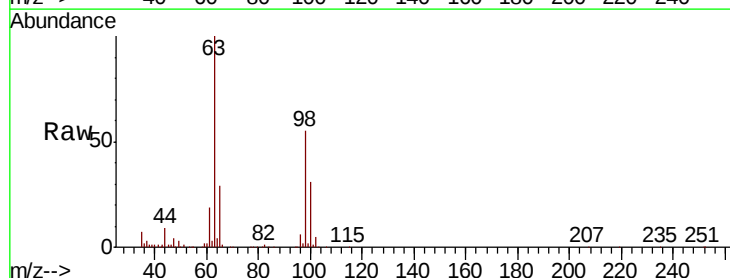
Tgt Ion: 96 Resp: 5446

Ion Ratio Lower Upper

96 100

61 323.4 136.9 254.3#

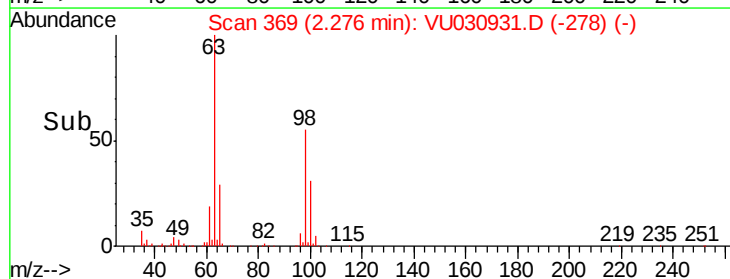
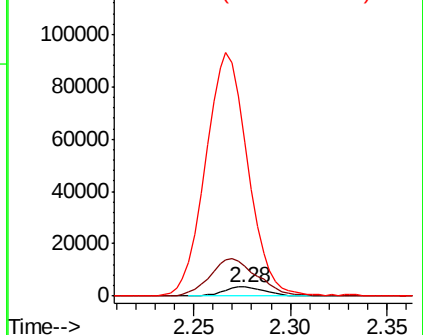
63 1687.1 107.7 200.1#

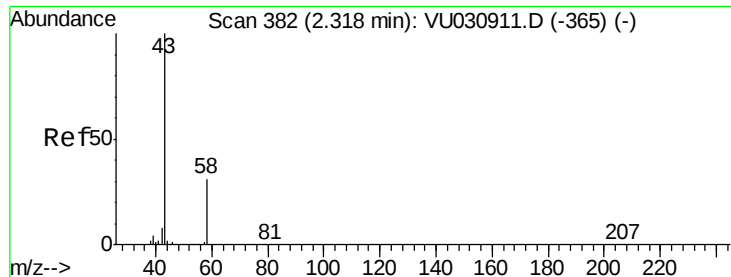


Abundance Ion 96.00 (95.70 to 96.70): VU030931.D (-355) (-)

Ion 61.05 (60.75 to 61.75): VU030931.D (-355) (-)

Ion 63.00 (62.70 to 63.70): VU030931.D (-355) (-)





#13

Acetone

Concen: 7.459 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.04 min

Lab File: VU030931.D

Acq: 09 Apr 2019 01:49

Instrument :

MSVOA_U

ClientSampleId :

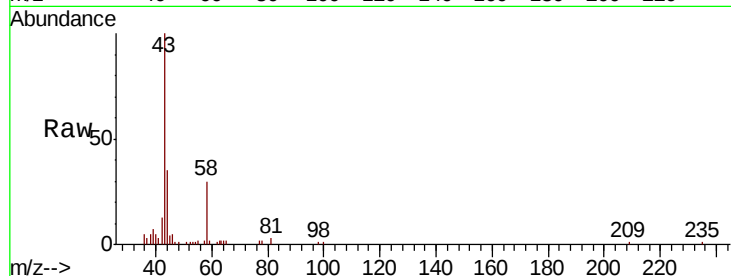
E3YD3

Tot Ion: 43 Resp: 25059

Ion Ratio Lower Upper

43 100

58 28.7 0.0 62.8



Abundance Ion 43.05 (42.75 to 43.75): VU030931.D (-365) (-)

Ion 58.05 (57.75 to 58.75): VU030931.D (-365) (-)

2.32

15000

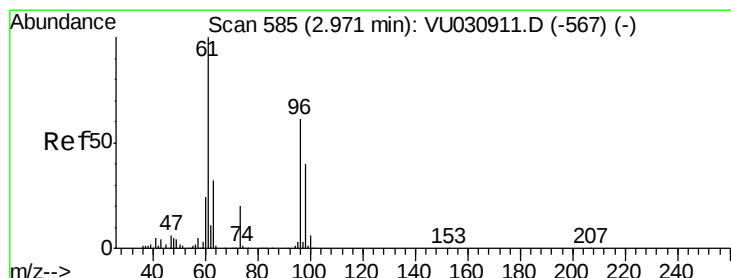
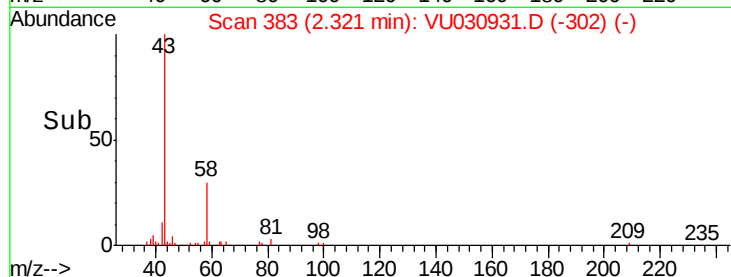
10000

5000

0

Time-->

2.25 2.30 2.35 2.40



#18

trans-1,2-Dichloroethene

Concen: 0.102 ug/L

RT: 2.97 min Scan# 585

Delta R.T. -0.01 min

Lab File: VU030931.D

Acq: 09 Apr 2019 01:49

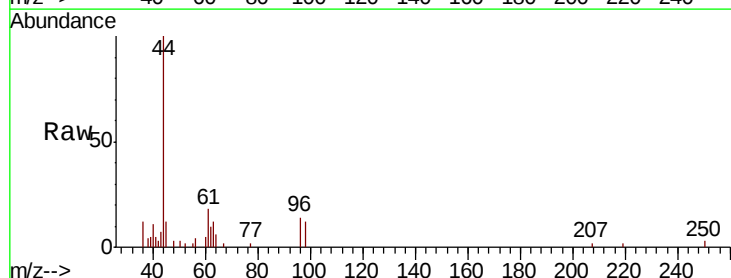
Tgt Ion: 96 Resp: 1742

Ion Ratio Lower Upper

96 100

61 125.9 116.8 216.8

98 84.1 46.8 87.0



Abundance Ion 96.00 (95.70 to 96.70): VU030931.D (-495) (-)

Ion 61.05 (60.75 to 61.75): VU030931.D (-495) (-)

Ion 97.95 (97.65 to 98.65): VU030931.D (-495) (-)

2.97

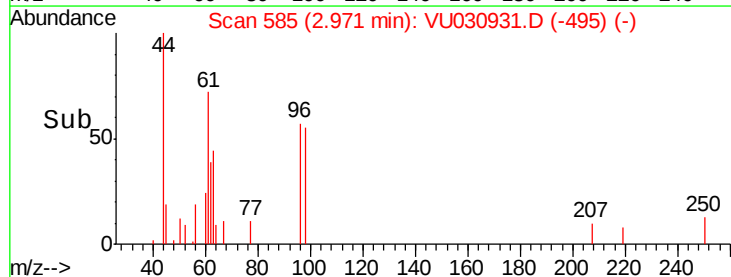
1000

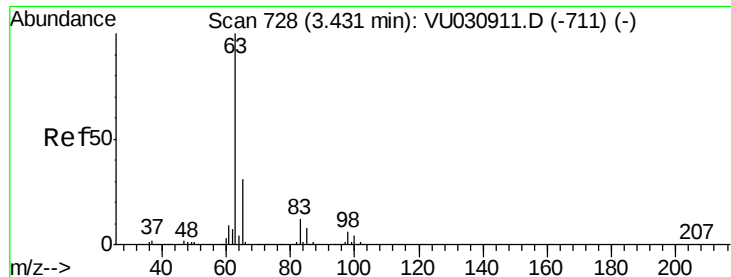
500

0

Time-->

2.95 3.00

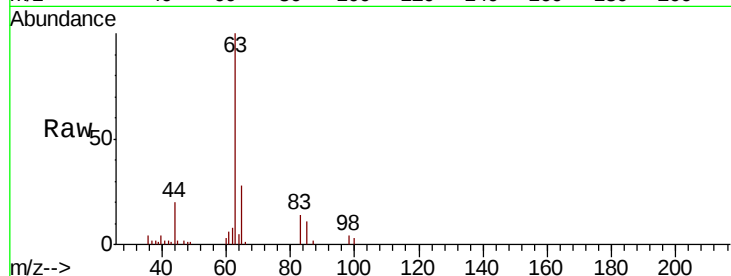




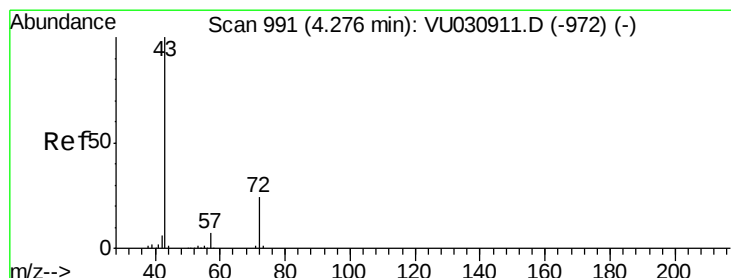
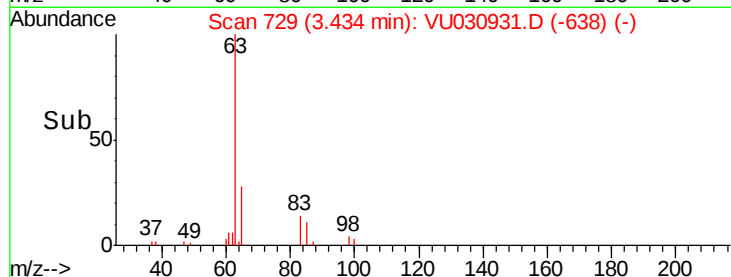
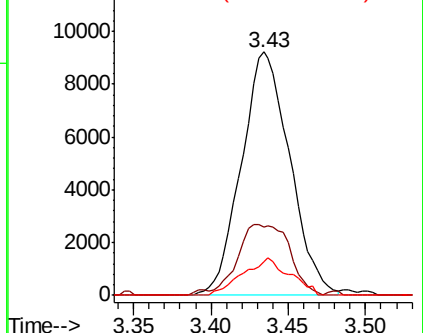
#19
 1,1-Dichloroethane
 Concen: 0.558 ug/L
 RT: 3.43 min Scan# 729
 Delta R.T. -0.01 min
 Lab File: VU030931.D
 Acq: 09 Apr 2019 01:49

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YD3

Tot Ion: 63 Resp: 20079
 Ion Ratio Lower Upper
 63 100
 65 28.2 21.6 40.0
 83 13.9 9.1 16.9

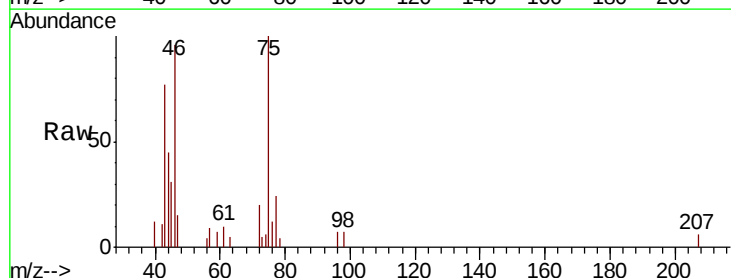


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

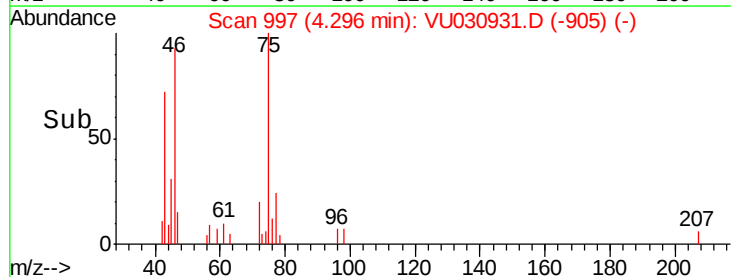
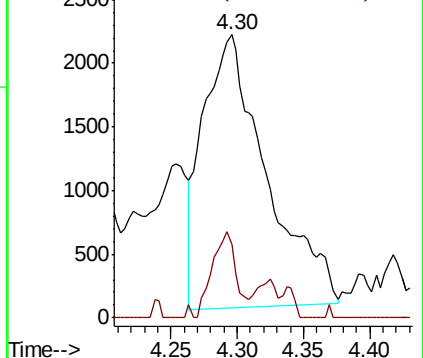


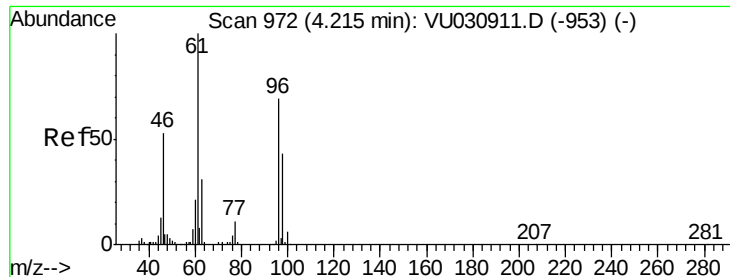
#21
 2-Butanone
 Concen: 1.345 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. -0.00 min
 Lab File: VU030931.D
 Acq: 09 Apr 2019 01:49

Tgt Ion: 43 Resp: 7159
 Ion Ratio Lower Upper
 43 100
 72 12.0 11.2 33.5



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0



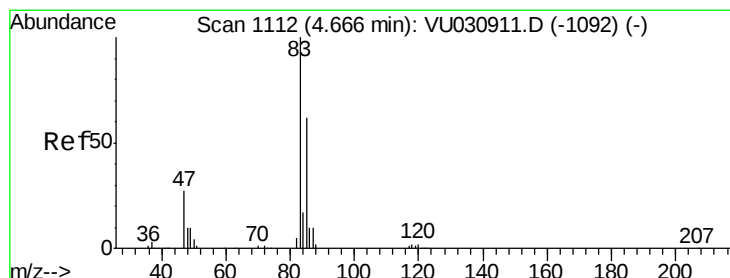
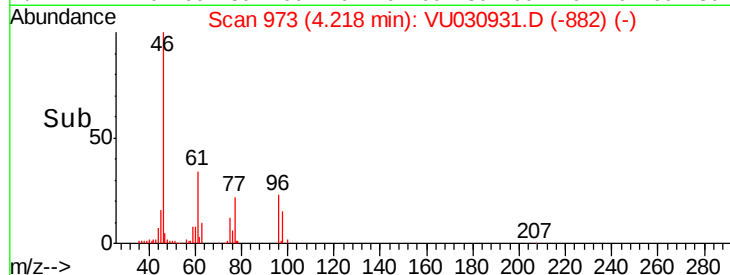
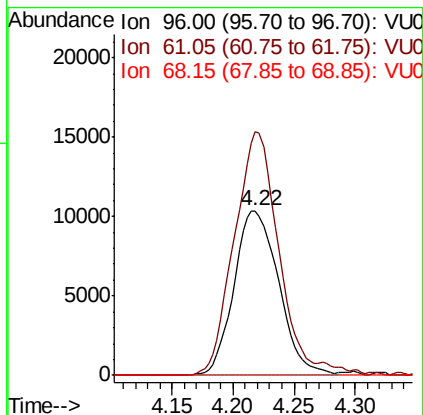
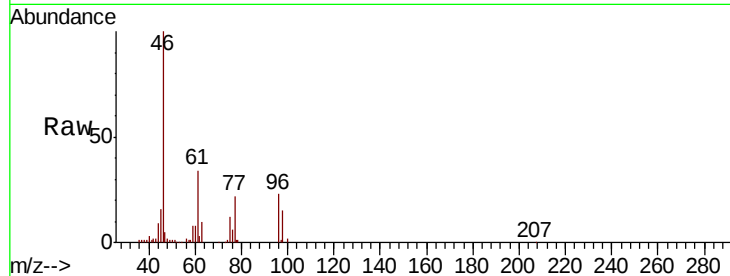


#22

cis-1,2-Dichloroethene
 Concen: 1.453 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. -0.01 min
 Lab File: VU030931.D
 Acq: 09 Apr 2019 01:49

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YD3

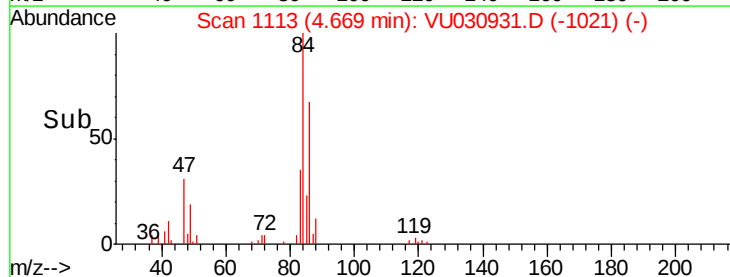
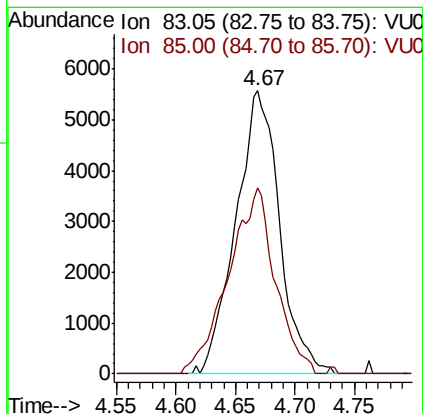
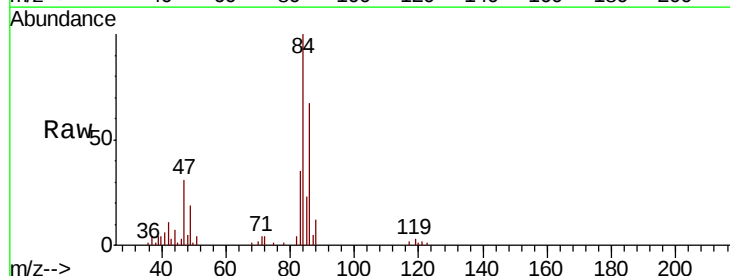
Tot Ion	Ratio	Lower	Upper
96	100		
61	147.7	98.9	183.7
68	0.0	0.0	0.0

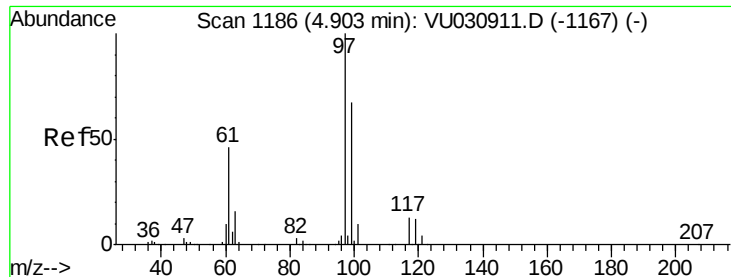


#25

Chloroform
 Concen: 0.433 ug/L
 RT: 4.67 min Scan# 1113
 Delta R.T. -0.00 min
 Lab File: VU030931.D
 Acq: 09 Apr 2019 01:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	44.2	82.2





#29

1,1,1-Trichloroethane

Concen: 2.572 ug/L

RT: 4.91 min Scan# 1187

Delta R.T. -0.00 min

Lab File: VU030931.D

Acq: 09 Apr 2019 01:49

Instrument :

MSVOA_U

ClientSampleId :

E3YD3

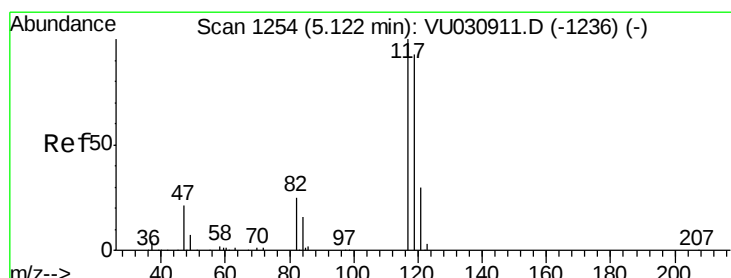
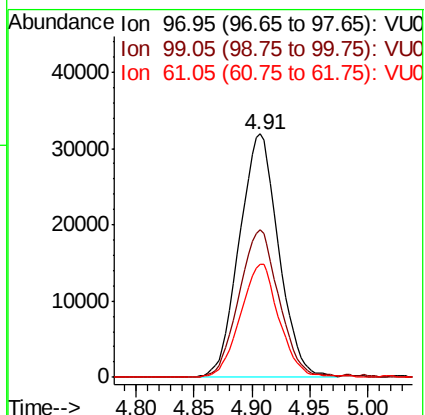
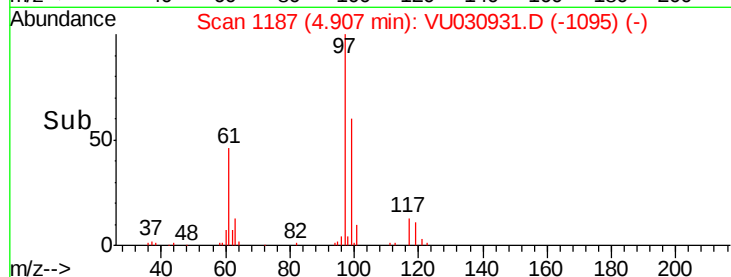
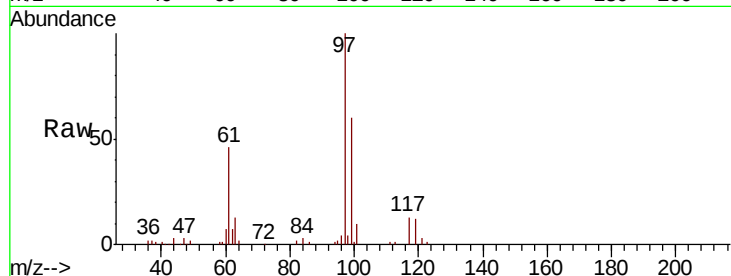
Tot Ion: 97 Resp: 75271

Ion Ratio Lower Upper

97 100

99 61.6 51.8 77.6

61 46.0 38.1 57.1



#31

Carbon tetrachloride

Concen: 0.375 ug/L

RT: 4.91 min Scan# 1187

Delta R.T. -0.22 min

Lab File: VU030931.D

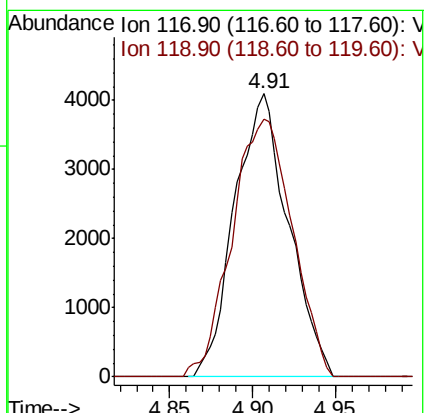
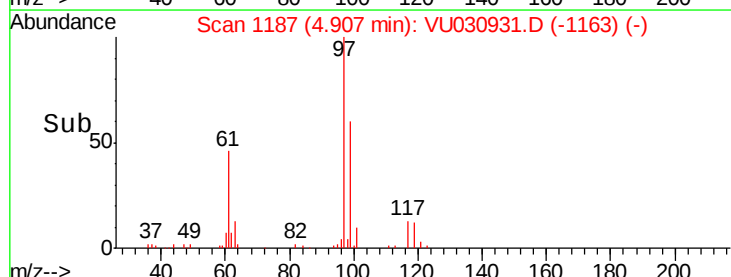
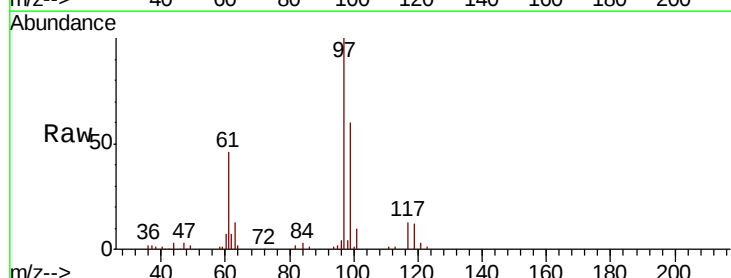
Acq: 09 Apr 2019 01:49

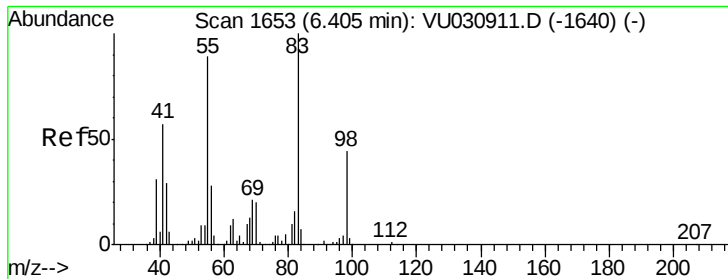
Tgt Ion: 117 Resp: 9214

Ion Ratio Lower Upper

117 100

119 102.6 73.7 110.5

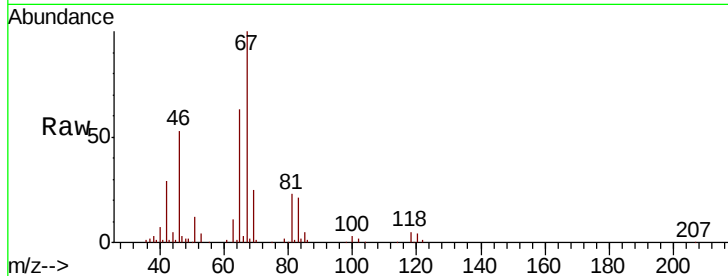




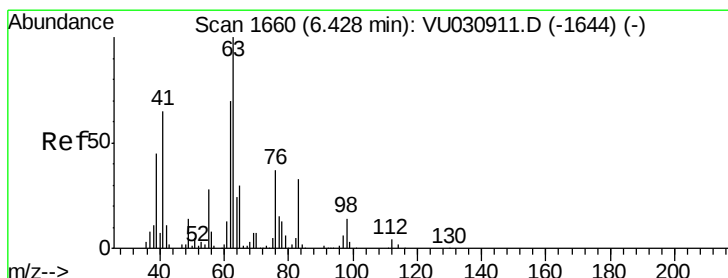
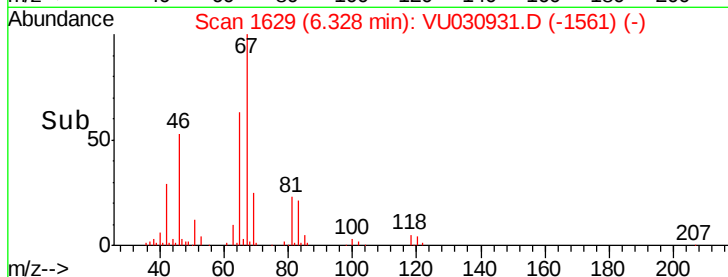
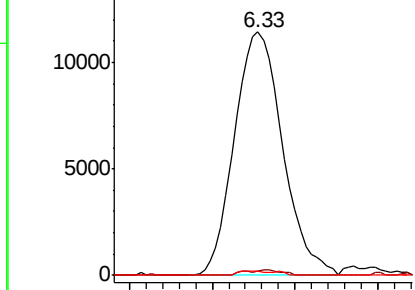
#35
Methvlcvclohexane
Concen: 0.746 ug/L
RT: 6.33 min Scan# 1629
Delta R.T. -0.08 min
Lab File: VU030931.D
Acq: 09 Apr 2019 01:49

Instrument :
MSVOA_U
ClientSampleId :
E3YD3

Tot Ion: 83 Resp: 23167
Ion Ratio Lower Upper
83 100
55 1.6 72.6 108.8#
98 1.0 35.0 52.6#

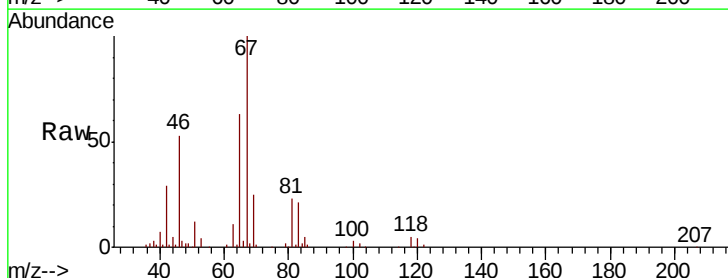


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

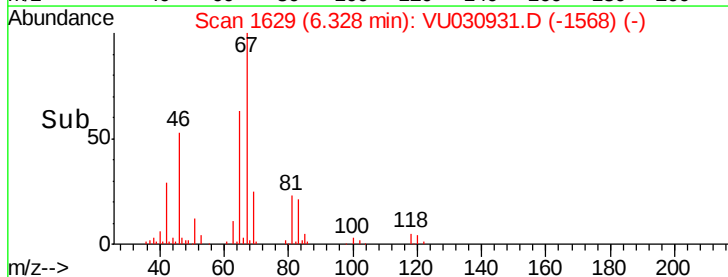
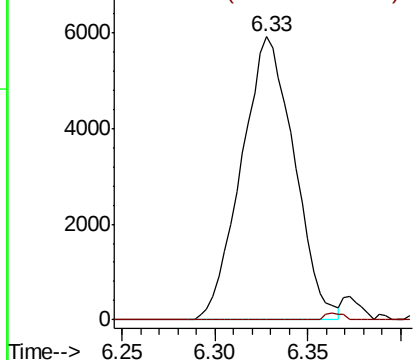


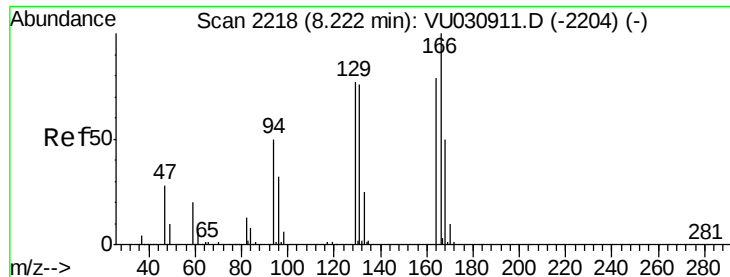
#37
1,2-Dichloropropane
Concen: 0.547 ug/L
RT: 6.33 min Scan# 1629
Delta R.T. -0.10 min
Lab File: VU030931.D
Acq: 09 Apr 2019 01:49

Tgt Ion: 63 Resp: 11692
Ion Ratio Lower Upper
63 100
112 0.8 2.8 4.2#



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

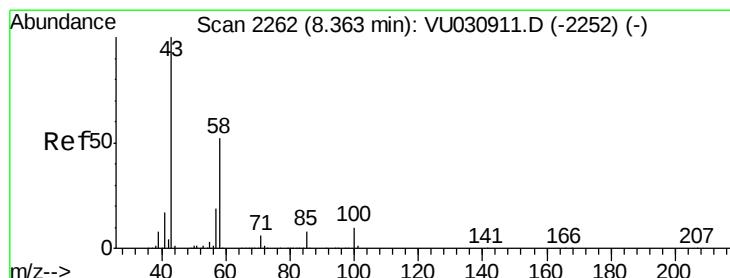
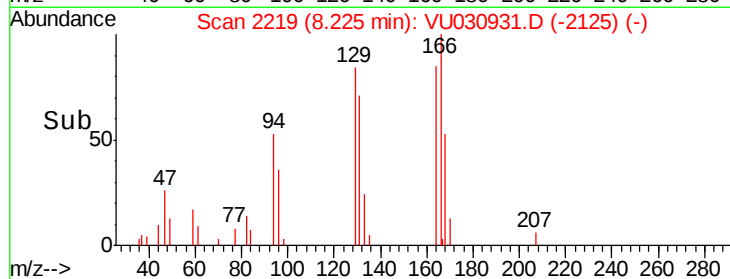
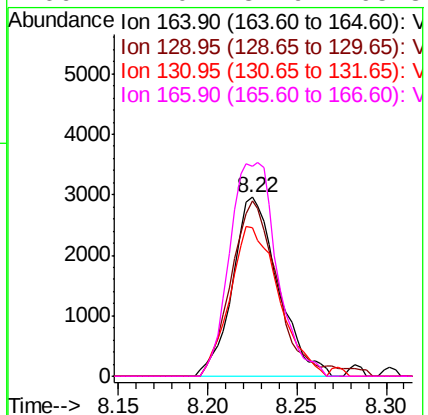
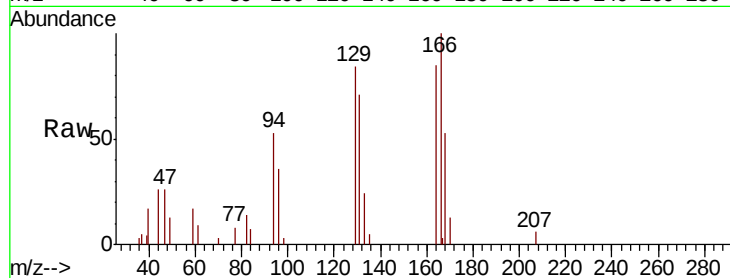




#47
Tetrachloroethene
Concen: 0.387 ug/L
RT: 8.22 min Scan# 2219
Delta R.T. 0.00 min
Lab File: VU030931.D
Acq: 09 Apr 2019 01:49

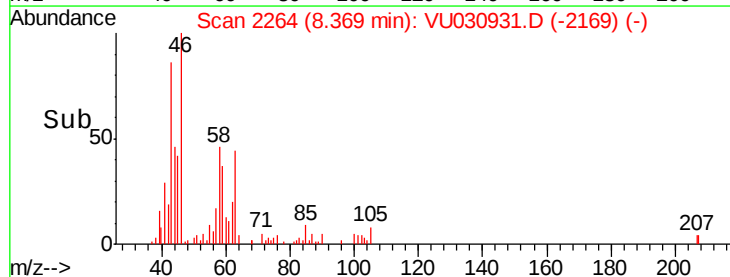
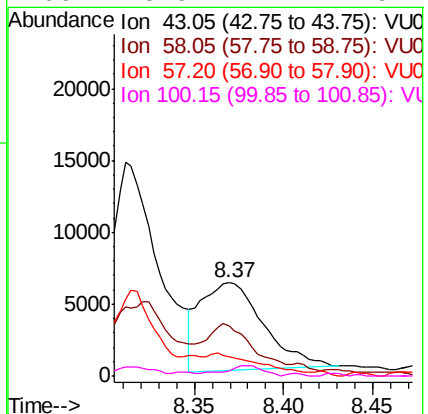
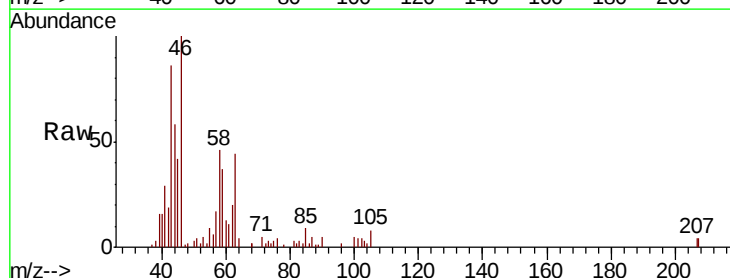
Instrument :
MSVOA_U
ClientSampleId :
E3YD3

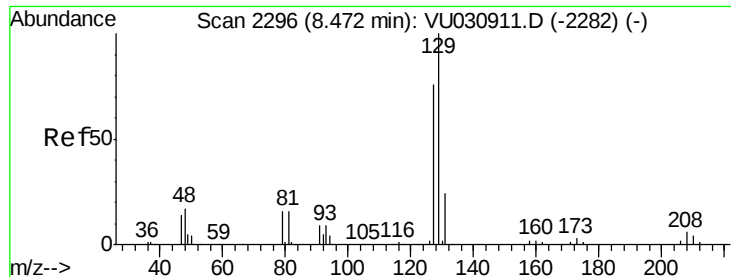
Tot Ion:164 Resp: 5285
Ion Ratio Lower Upper
164 100
129 98.0 70.1 130.1
131 82.6 67.8 125.8
166 117.0 87.9 163.3



#48
2-Hexanone
Concen: 1.620 ug/L
RT: 8.37 min Scan# 2264
Delta R.T. 0.01 min
Lab File: VU030931.D
Acq: 09 Apr 2019 01:49

Tgt Ion: 43 Resp: 14975
Ion Ratio Lower Upper
43 100
58 49.9 42.5 63.7
57 20.1 13.9 20.9
100 6.9 7.1 10.7#

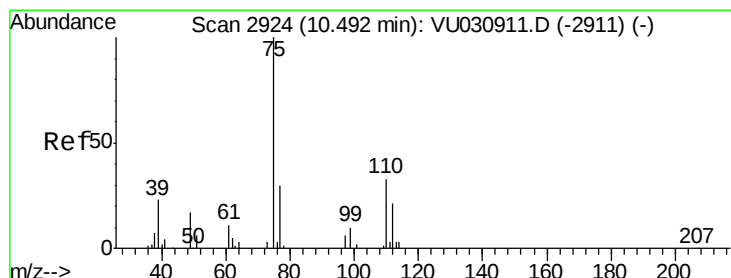
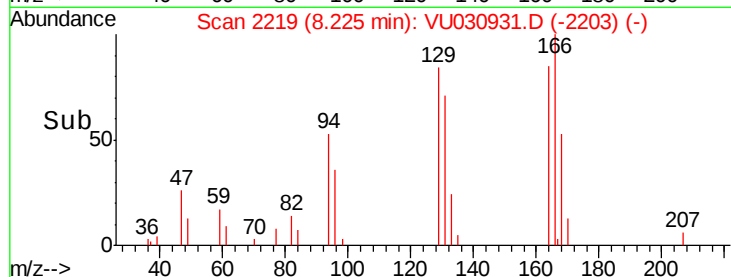
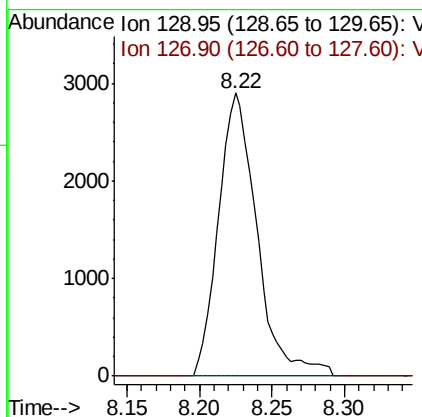
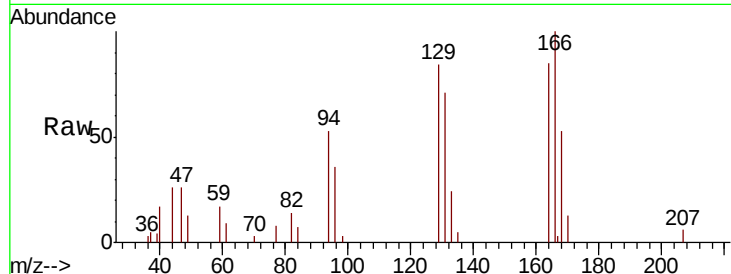




#49
 Dibromochloromethane
 Concen: 0.352 ug/L
 RT: 8.22 min Scan# 2219
 Delta R.T. -0.25 min
 Lab File: VU030931.D
 Acq: 09 Apr 2019 01:49

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YD3

Tot Ion:129 Resp: 5362
 Ion Ratio Lower Upper
 129 100
 127 0.0 51.1 94.9#



#59
 1,2,3-Trichloropropane
 Concen: 0.876 ug/L
 RT: 11.48 min Scan# 3232
 Delta R.T. 0.99 min
 Lab File: VU030931.D
 Acq: 09 Apr 2019 01:49

Tgt Ion: 75 Resp: 10463
 Ion Ratio Lower Upper
 75 100
 77 38.0 25.6 38.4

