

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU041119\
 Data File : VU031080.D
 Acq On : 11 Apr 2019 19:40
 Operator : JC/SP
 Sample : K2299-22DL 5X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 71 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DB6Z8DL

Quant Time: Apr 12 04:50:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040519WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 12 04:43:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	460557	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	445720	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	199987	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	165254	40.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.40%
7) Chloroethane-d5	1.68	69	138171	44.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.56%
11) 1,1-Dichloroethene-d2	2.27	63	235290	31.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.28%
21) 2-Butanone-d5	4.17	46	345965	106.18	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.18%
24) Chloroform-d	4.74	84	171	0.03	ug/L	0.10
Spiked Amount	50.000	Range	70 - 125	Recovery	=	0.06%#
26) 1,2-Dichloroethane-d4	5.30	65	221585	51.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.42%
32) Benzene-d6	5.34	84	604659	46.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.94%
36) 1,2-Dichloropropane-d6	6.32	67	217806	48.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.68%
41) Toluene-d8	7.56	98	514168	44.58	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.16%
43) trans-1,3-Dichloropropene-	7.85	79	93516	45.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.98%
47) 2-Hexanone-d5	8.31	63	192752	94.58	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.58%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	316290	52.58	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	105.16%
64) 1,2-Dichlorobenzene-d4	11.85	152	214310	54.49	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.98%

Target Compounds

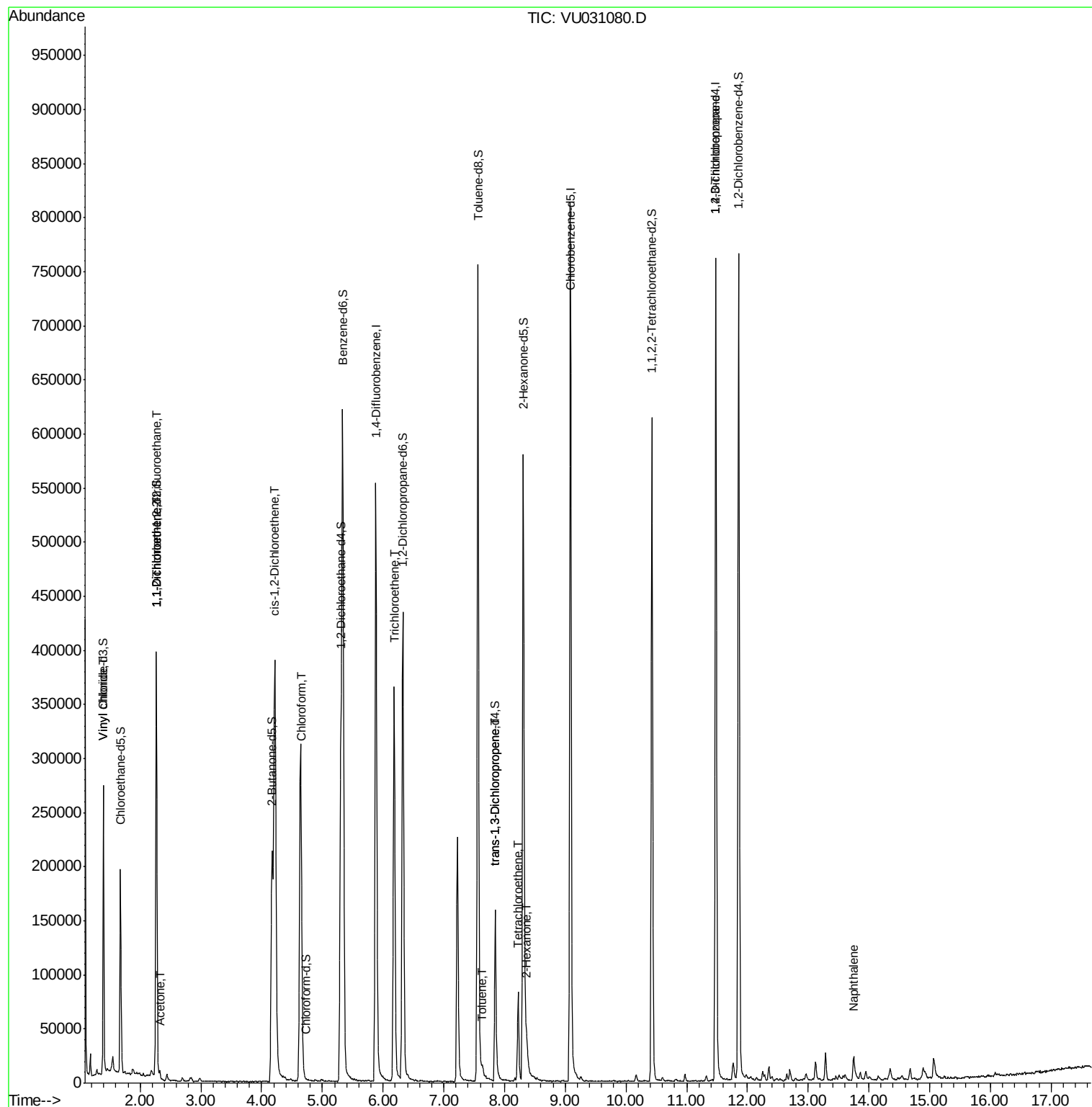
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.40	62	5371	1.060	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2090	0.634	ug/L #	20
12) 1,1-Dichloroethene	2.27	96	1969	0.618	ug/L #	1
13) Acetone	2.32	43	5074	1.522	ug/L	89
20) cis-1,2-Dichloroethene	4.22	96	206015	55.196	ug/L	91
25) Chloroform	4.66	83	13399	1.911	ug/L	86
34) Trichloroethene	6.18	95	132778	37.115	ug/L	94
42) Toluene	7.64	91	5435	0.365	ug/L	91
44) trans-1,3-Dichloropropene	7.85	75	4331	0.836	ug/L	99
46) Tetrachloroethene	8.22	164	18404	7.076	ug/L	97
48) 2-Hexanone	8.36	43	13040	2.517	ug/L #	43
59) 1,2,3-Trichloropropane	11.48	75	24277	4.908	ug/L	92
69) Naphthalene	13.75	128	22961	1.803	ug/L #	96

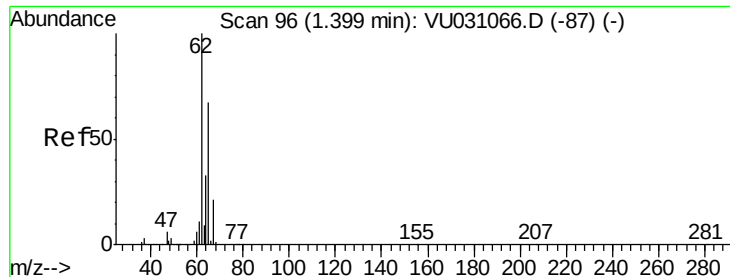
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Apr 12 04:43:47 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.060 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU031080.D

Acq: 11 Apr 2019 19:40

Instrument :

MSVOA_U

ClientSampleId :

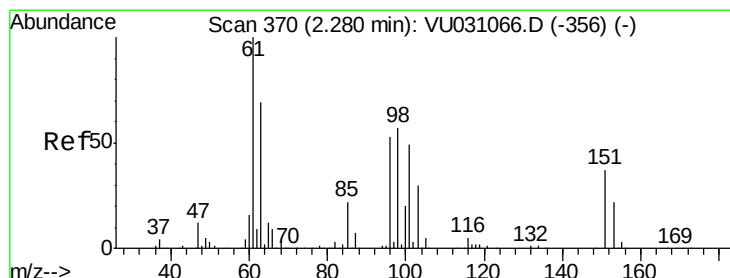
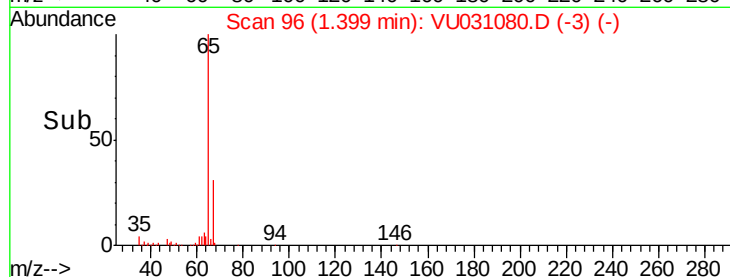
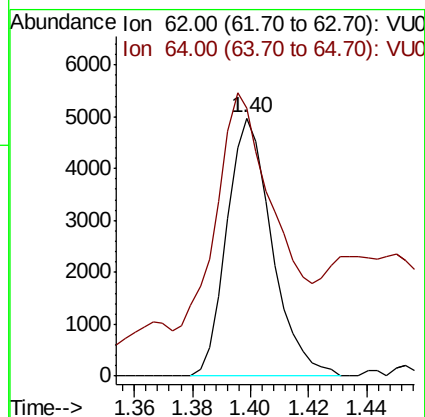
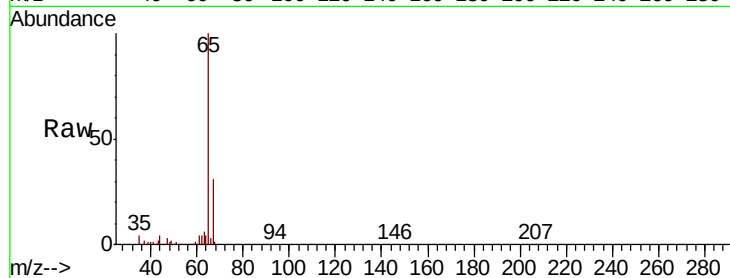
DB6Z8DL

Tot Ion: 62 Resp: 5371

Ion Ratio Lower Upper

62 100

64 104.1 21.5 39.9#



#10

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

Concen: 0.634 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU031080.D

Acq: 11 Apr 2019 19:40

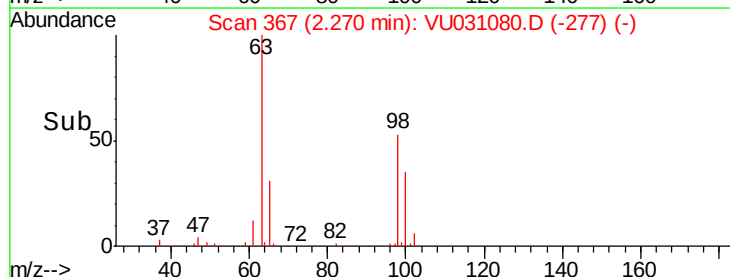
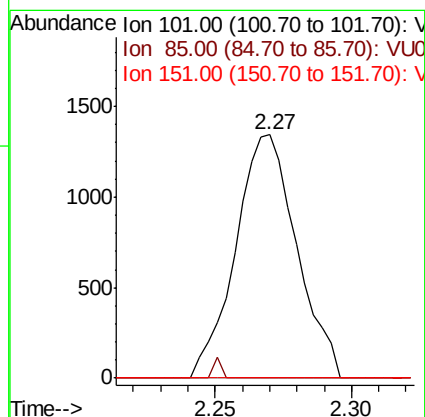
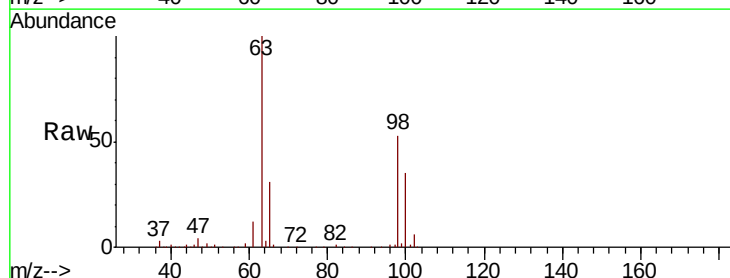
Tgt Ion: 101 Resp: 2090

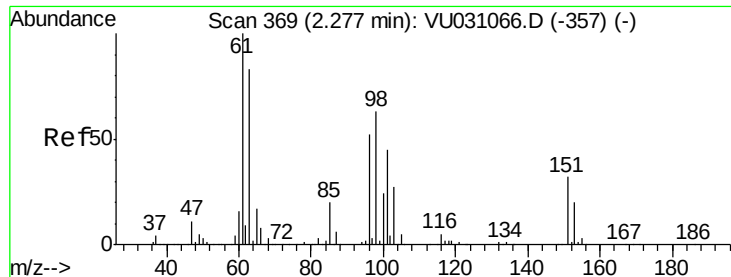
Ion Ratio Lower Upper

101 100

85 0.0 36.8 55.2#

151 0.0 57.4 86.0#

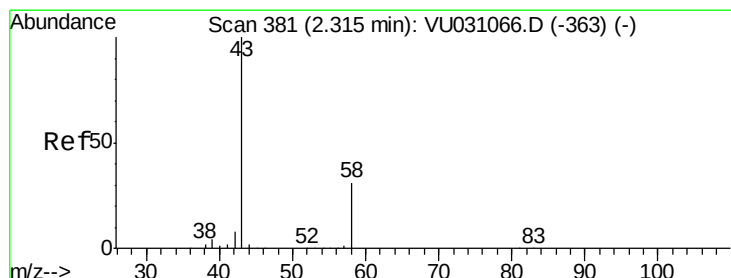
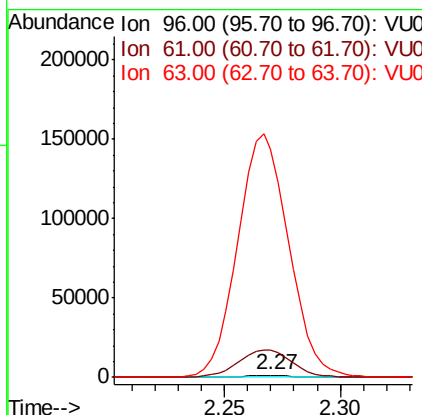
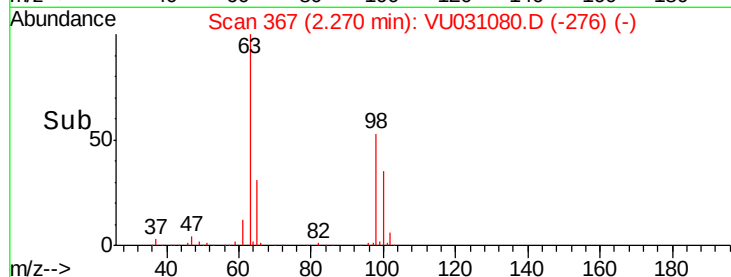
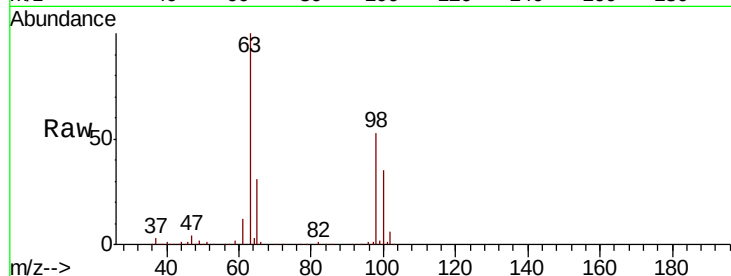




#12
 1,1-Dichloroethene
 Concen: 0.618 ug/L
 RT: 2.27 min Scan# 367
 Delta R.T. -0.01 min
 Lab File: VU031080.D
 Acq: 11 Apr 2019 19:40

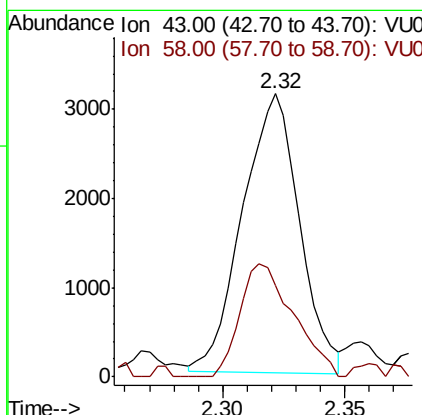
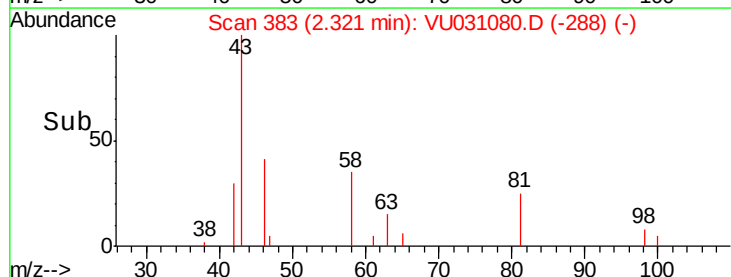
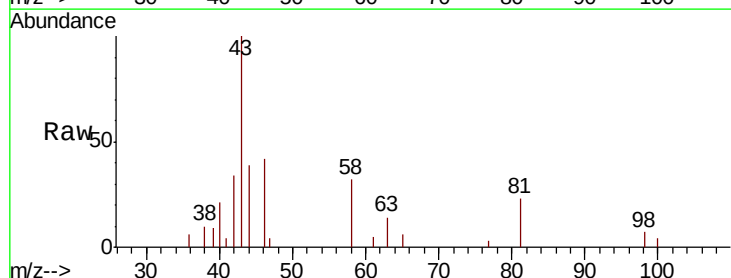
Instrument :
 MSVOA_U
 ClientSampleId :
 DB6Z8DL

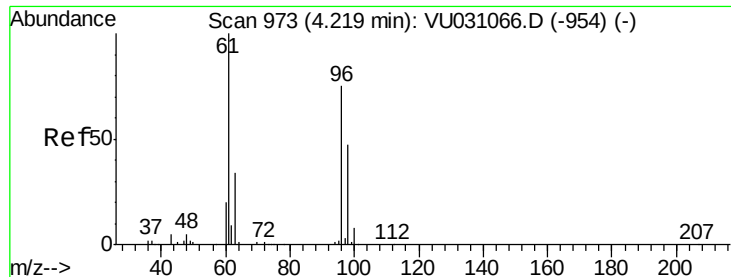
Tot Ion: 96 Resp: 1969
 Ion Ratio Lower Upper
 96 100
 61 1495.5 132.0 245.2#
 63 12598.1 90.9 168.9#



#13
 Acetone
 Concen: 1.522 ug/L
 RT: 2.32 min Scan# 383
 Delta R.T. 0.01 min
 Lab File: VU031080.D
 Acq: 11 Apr 2019 19:40

Tgt Ion: 43 Resp: 5074
 Ion Ratio Lower Upper
 43 100
 58 37.9 0.0 64.0

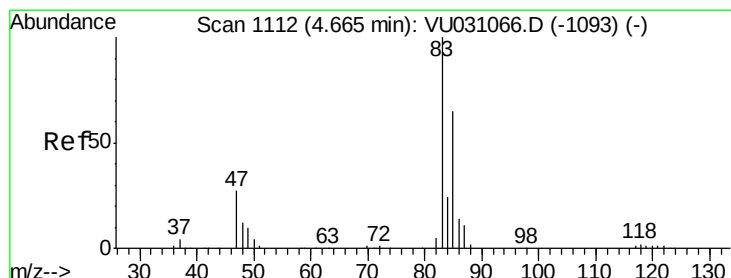
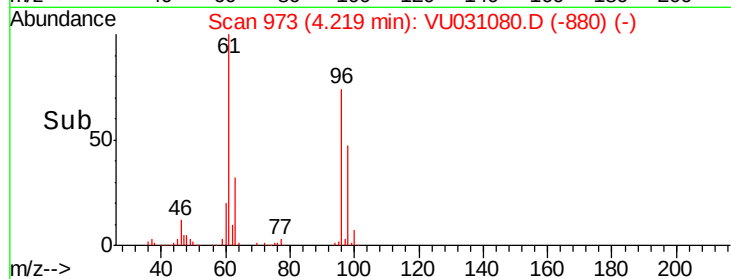
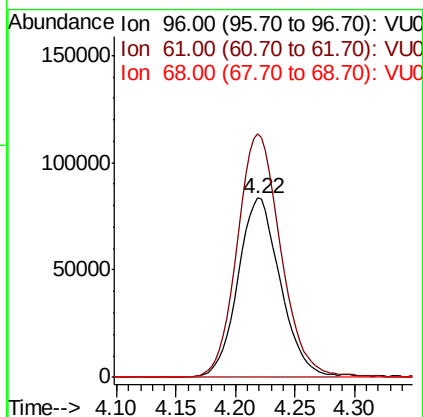
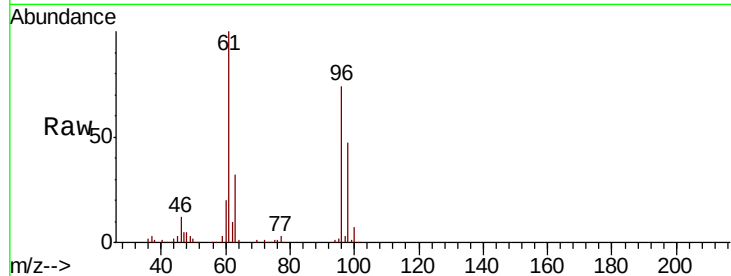




#20
 cis-1,2-Dichloroethene
 Concen: 55.196 ug/L
 RT: 4.22 min Scan# 973
 Delta R.T. -0.00 min
 Lab File: VU031080.D
 Acq: 11 Apr 2019 19:40

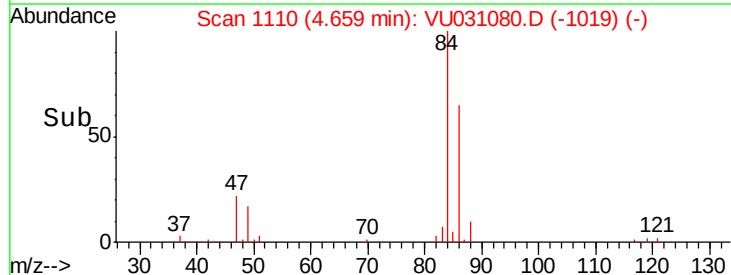
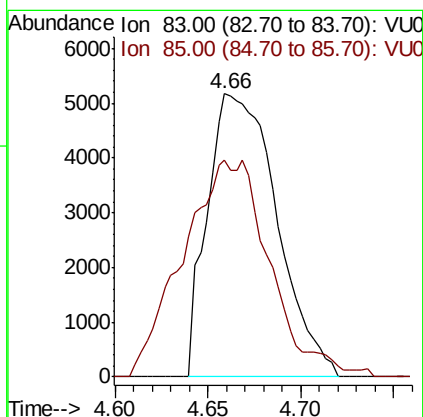
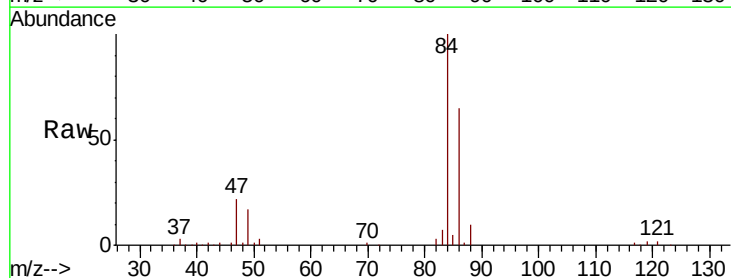
Instrument :
 MSVOA_U
 ClientSampleID :
 DB6Z8DL

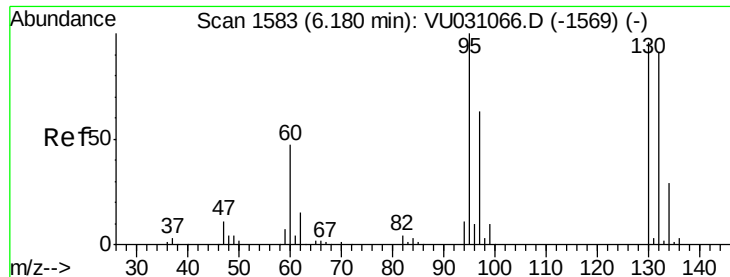
Tot Ion	96	Resp	206015
Ion	Ratio	Lower	Upper
96	100		
61	135.7	102.9	191.1
68	0.0	0.0	0.0



#25
 Chloroform
 Concen: 1.911 ug/L
 RT: 4.66 min Scan# 1110
 Delta R.T. -0.01 min
 Lab File: VU031080.D
 Acq: 11 Apr 2019 19:40

Tgt Ion	83	Resp	13399
Ion	Ratio	Lower	Upper
83	100		
85	76.8	45.8	85.0





#34

Trichloroethene

Concen: 37.115 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU031080.D

Acq: 11 Apr 2019 19:40

Instrument :

MSVOA_U

ClientSampleId :

DB6Z8DL

Tot Ion: 95 Resp: 132778

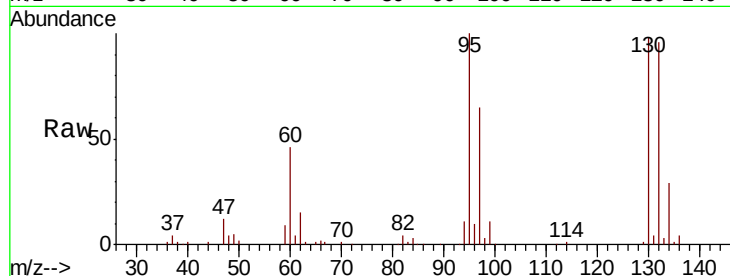
Ion Ratio Lower Upper

95 100

97 64.8 44.5 82.7

132 95.9 61.5 114.1

130 97.7 64.9 120.5

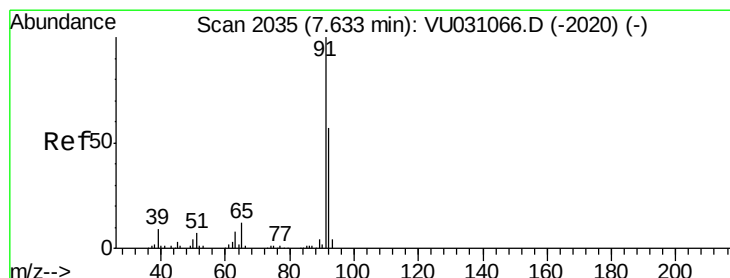
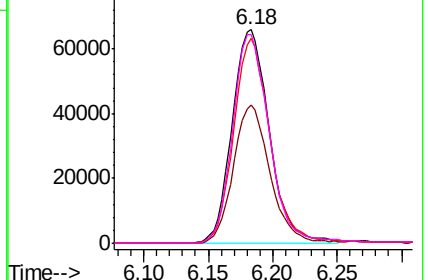
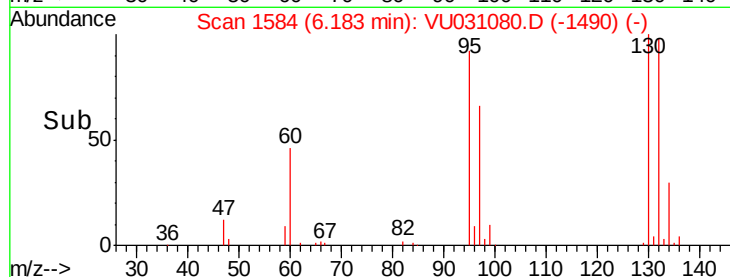


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#42

Toluene

Concen: 0.365 ug/L

RT: 7.64 min Scan# 2038

Delta R.T. 0.01 min

Lab File: VU031080.D

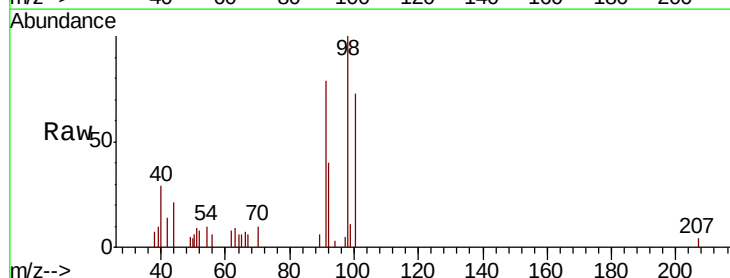
Acq: 11 Apr 2019 19:40

Tgt Ion: 91 Resp: 5435

Ion Ratio Lower Upper

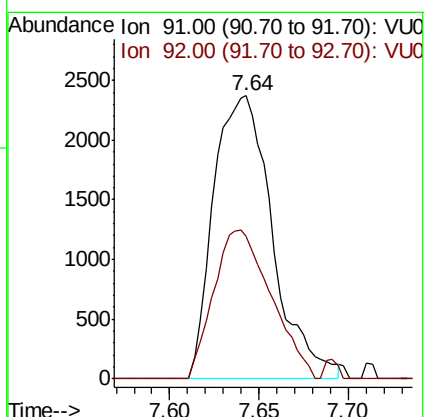
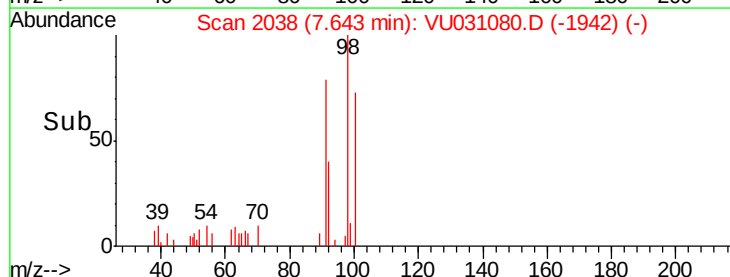
91 100

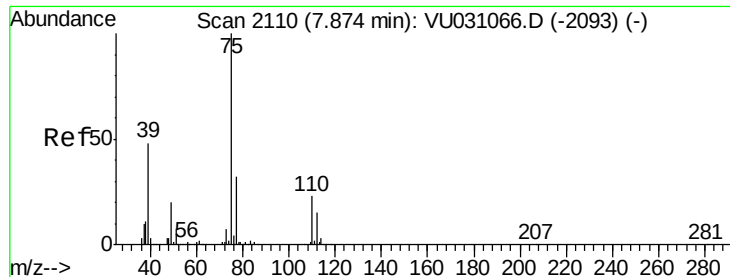
92 50.3 40.0 74.4



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0





#44

trans-1,3-Dichloropropene

Concen: 0.836 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU031080.D

Acq: 11 Apr 2019 19:40

Instrument :

MSVOA_U

ClientSampleId :

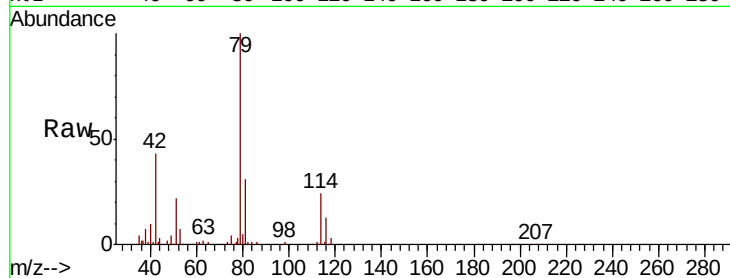
DB6Z8DL

Tot Ion: 75 Resp: 4331

Ion Ratio Lower Upper

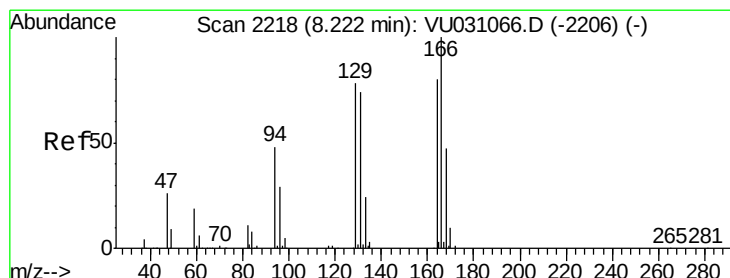
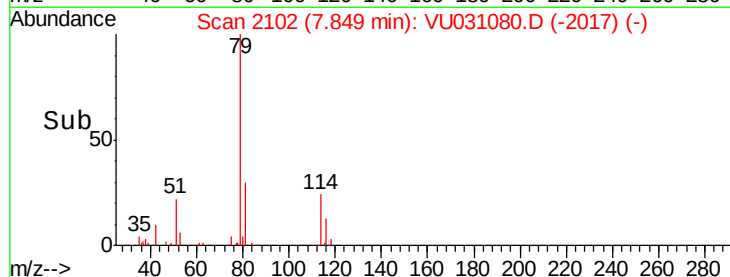
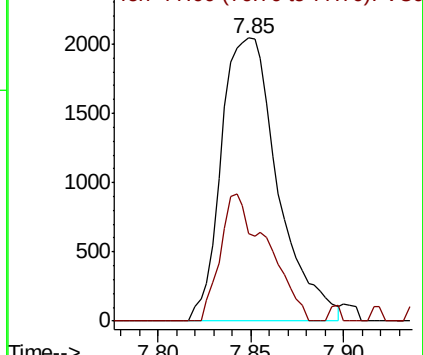
75 100

77 31.1 21.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VU031066.D (-2093) (-)

Ion 77.00 (76.70 to 77.70): VU031066.D (-2093) (-)



#46

Tetrachloroethene

Concen: 7.076 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU031080.D

Acq: 11 Apr 2019 19:40

Tgt Ion: 164 Resp: 18404

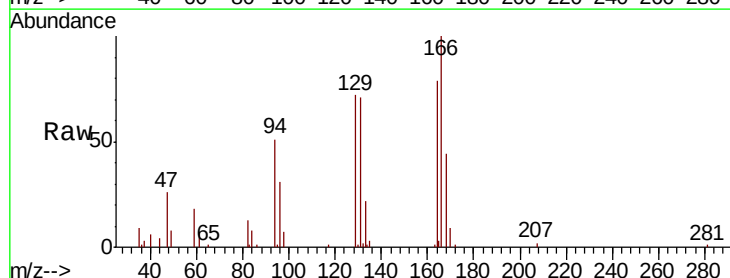
Ion Ratio Lower Upper

164 100

129 90.8 67.4 125.2

131 89.3 65.9 122.5

166 126.5 88.6 164.6

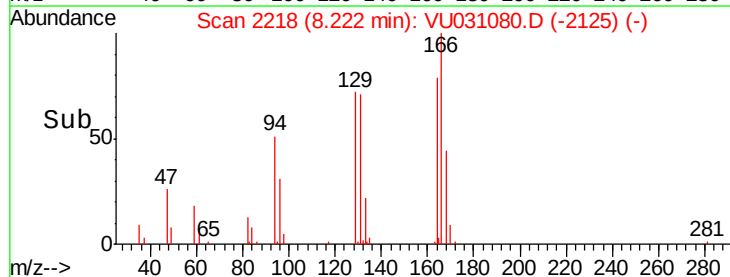
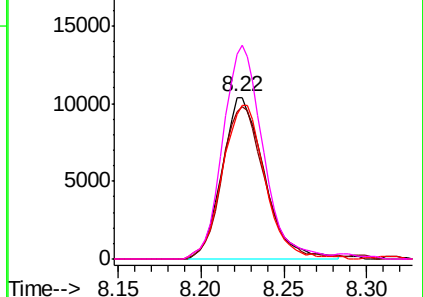


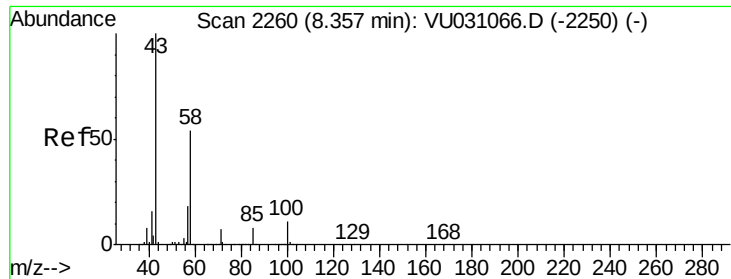
Abundance Ion 164.00 (163.70 to 164.70): VU031066.D (-2206) (-)

Ion 129.00 (128.70 to 129.70): VU031066.D (-2206) (-)

Ion 131.00 (130.70 to 131.70): VU031066.D (-2206) (-)

Ion 166.00 (165.70 to 166.70): VU031066.D (-2206) (-)

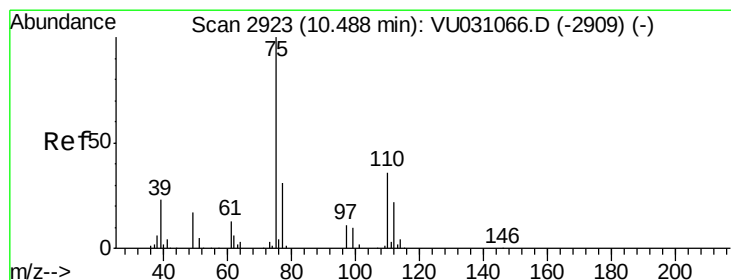
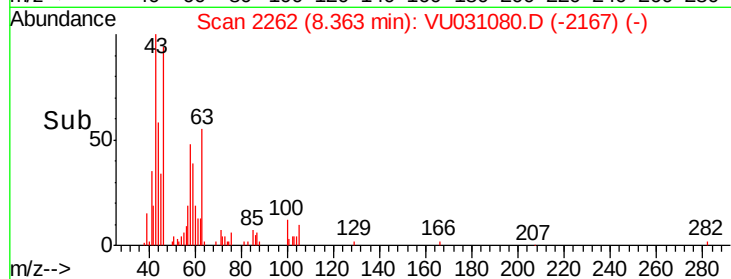
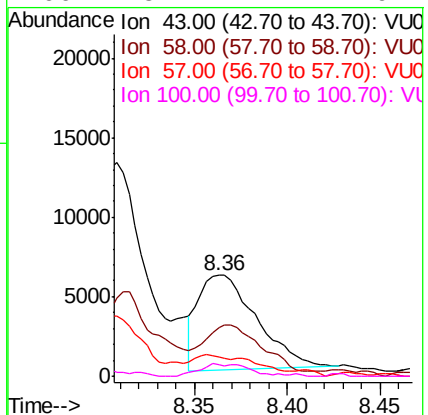
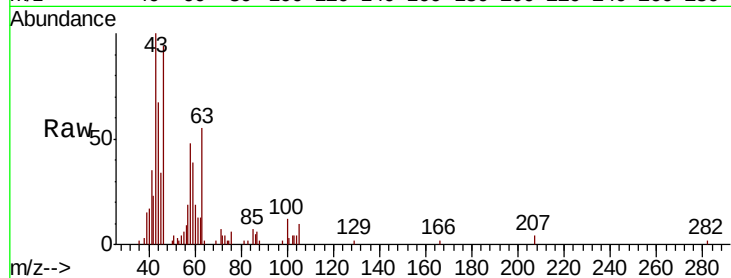




#48
2-Hexanone
Concen: 2.517 ug/L
RT: 8.36 min Scan# 2262
Delta R.T. 0.01 min
Lab File: VU031080.D
Acq: 11 Apr 2019 19:40

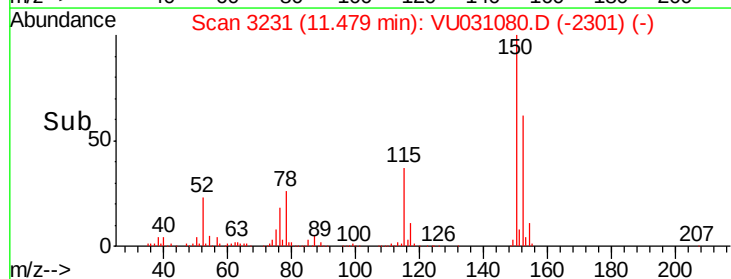
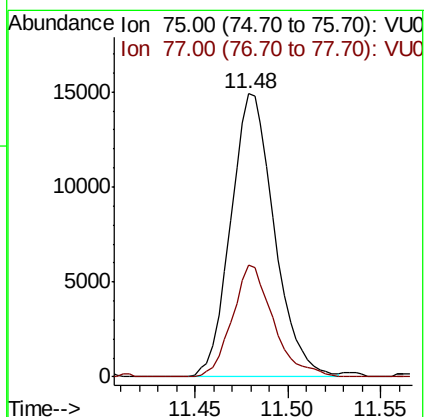
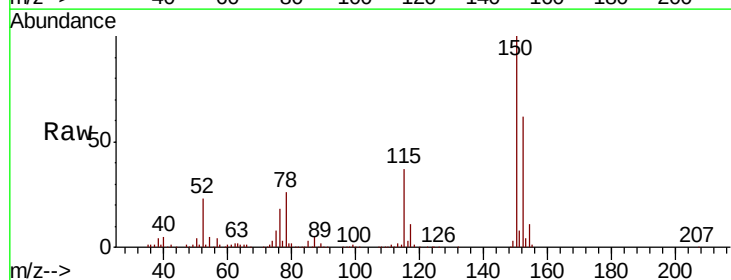
Instrument :
MSVOA_U
ClientSampleId :
DB6Z8DL

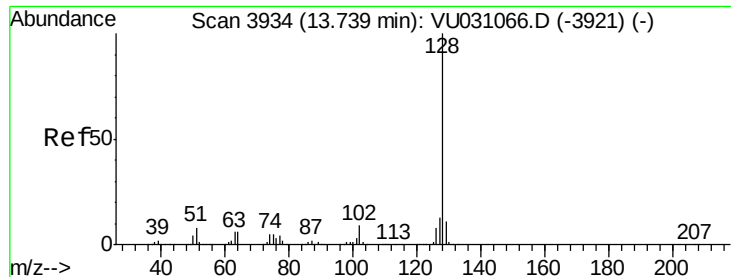
Tot Ion: 43 Resp: 13040
Ion Ratio Lower Upper
43 100
58 0.0 41.9 62.9#
57 4.5 14.3 21.5#
100 5.7 7.1 10.7#



#59
1,2,3-Trichloropropane
Concen: 4.908 ug/L
RT: 11.48 min Scan# 3231
Delta R.T. 0.99 min
Lab File: VU031080.D
Acq: 11 Apr 2019 19:40

Tgt Ion: 75 Resp: 24277
Ion Ratio Lower Upper
75 100
77 37.2 26.1 39.1





#69

Naphthalene

Concen: 1.803 ug/L

RT: 13.75 min Scan# 3937

Delta R.T. 0.01 min

Lab File: VU031080.D

Acq: 11 Apr 2019 19:40

Instrument :

MSVOA_U

ClientSampleId :

DB6Z8DL

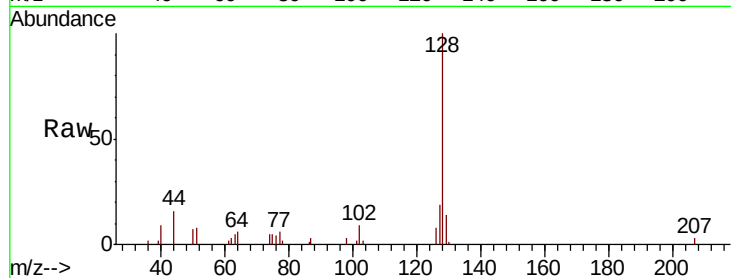
Tot Ion:128 Resp: 22961

Ion Ratio Lower Upper

128 100

127 16.0 10.4 15.6#

129 10.7 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

