

Data File : VU029865.D
Acq On : 07 Mar 2019 20:58
Operator : JC/SP
Sample : K1789-02
Misc : 5.59g/5mL/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BF0N8ME

Quant Time: Mar 08 04:36:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM021519WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 08 04:31:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	514688	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	519904	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	271464	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	118000	31.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	62.58%
7) Chloroethane-d5	1.69	69	256	0.08	ug/L	0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	0.16%#
11) 1,1-Dichloroethene-d2	2.23	63	182209	24.72	ug/L	-0.04
Spiked Amount	50.000	Range	60 - 125	Recovery	=	49.44%#
21) 2-Butanone-d5	4.20	46	219348	95.57	ug/L	0.03
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.57%
24) Chloroform-d	4.64	84	249816	40.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.68%
26) 1,2-Dichloroethane-d4	5.30	65	159098	41.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.16%
32) Benzene-d6	5.33	84	546104	41.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.48%
36) 1,2-Dichloropropane-d6	6.32	67	171813	43.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.30%
41) Toluene-d8	7.56	98	502459	37.64	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	75.28%#
43) trans-1,3-Dichloropropene-	7.85	79	78216	37.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.92%
47) 2-Hexanone-d5	8.32	63	199121	90.85	ug/L	0.01
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.85%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	295269	44.40	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	240478	41.11	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.22%

Target Compounds

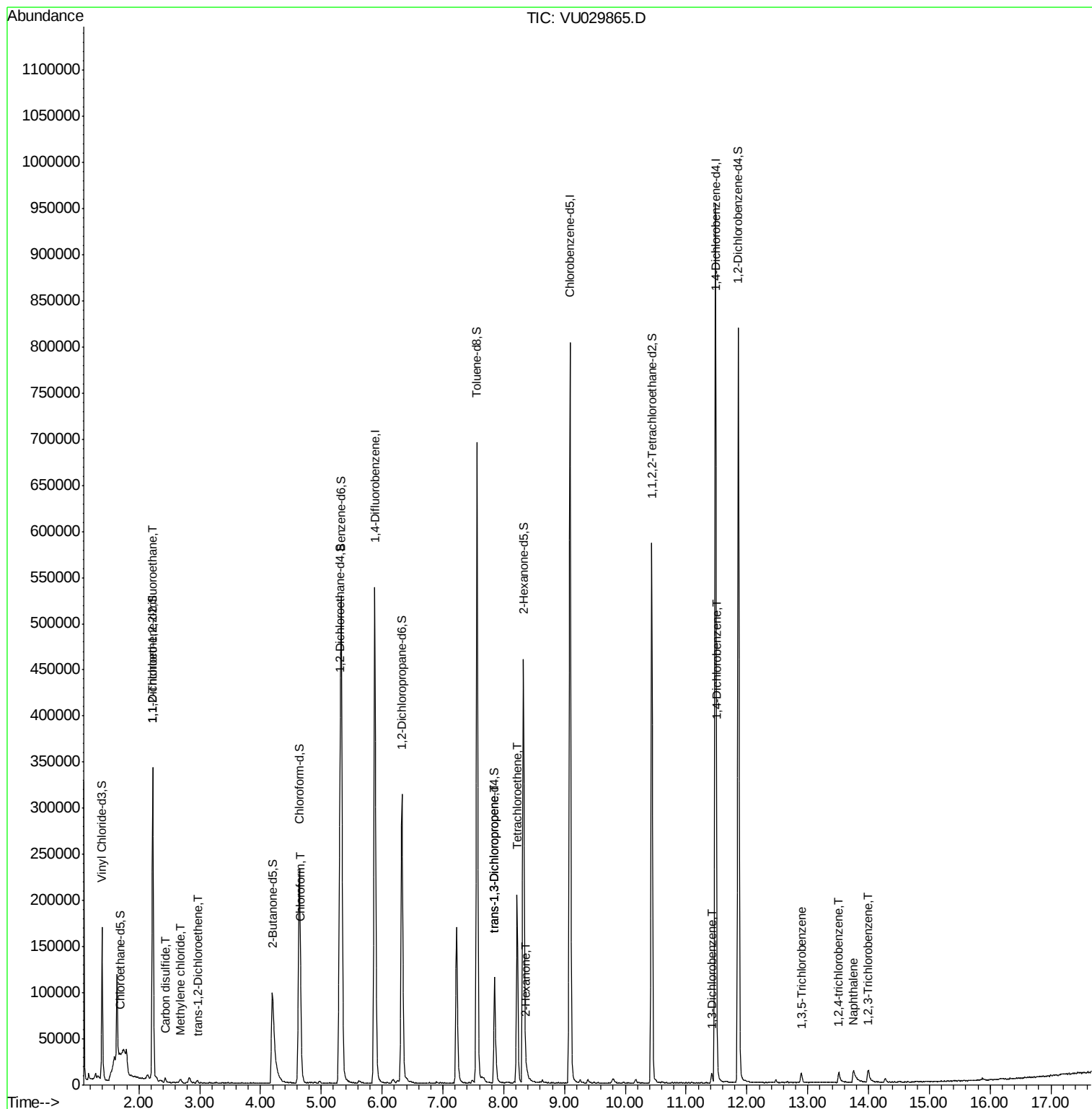
						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.23	101	2459	0.686	ug/L #	38
14) Carbon disulfide	2.43	76	5863	0.657	ug/L	96
16) Methylene chloride	2.68	84	2040	0.619	ug/L	98
17) trans-1,2-Dichloroethene	2.96	96	1350	0.429	ug/L	81
25) Chloroform	4.67	83	9248	1.524	ug/L	97
44) trans-1,3-Dichloropropene	7.85	75	4252	0.799	ug/L	93
46) Tetrachloroethene	8.22	164	50922	14.489	ug/L	99
48) 2-Hexanone	8.38	43	5578	1.298	ug/L #	44
62) 1,3-Dichlorobenzene	11.42	146	5022	0.580	ug/L	94
63) 1,4-Dichlorobenzene	11.51	146	7092	0.814	ug/L	90
67) 1,3,5-Trichlorobenzene	12.90	180	5141	0.778	ug/L	97
68) 1,2,4-trichlorobenzene	13.51	180	5605	0.981	ug/L	89
69) Naphthalene	13.76	128	22513	1.282	ug/L #	80
70) 1,2,3-Trichlorobenzene	13.99	180	8651	1.426	ug/L	91

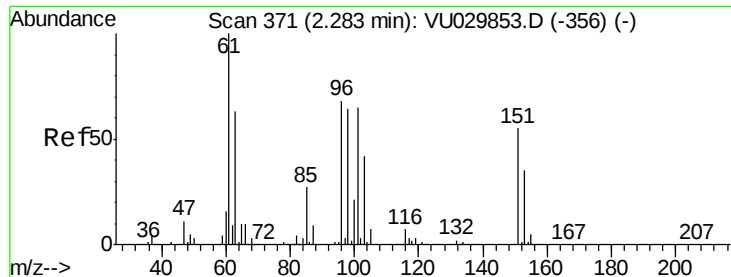
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.686 ug/L

RT: 2.23 min Scan# 354

Delta R.T. -0.05 min

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Instrument :

MSVOA_U

ClientSampleId :

BFON8ME

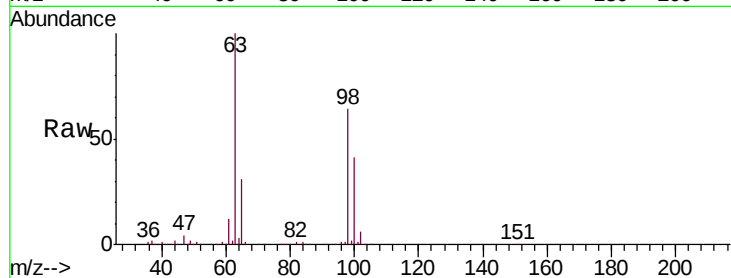
Tgt Ion: 101 Resp: 2459

Ion Ratio Lower Upper

101 100

85 11.8 33.0 49.6#

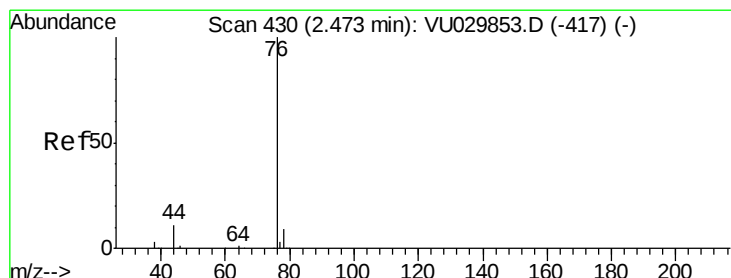
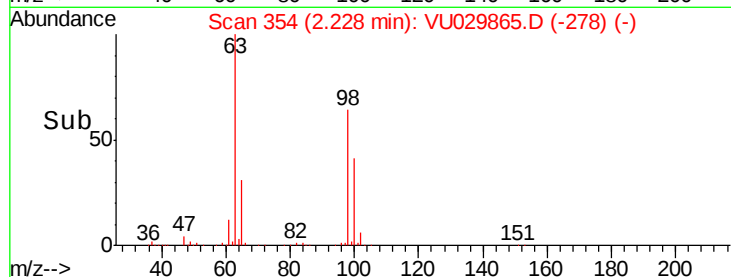
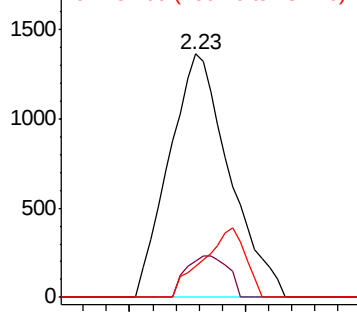
151 20.0 65.7 98.5#



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



#14

Carbon disulfide

Concen: 0.657 ug/L

RT: 2.43 min Scan# 418

Delta R.T. -0.04 min

Lab File: VU029865.D

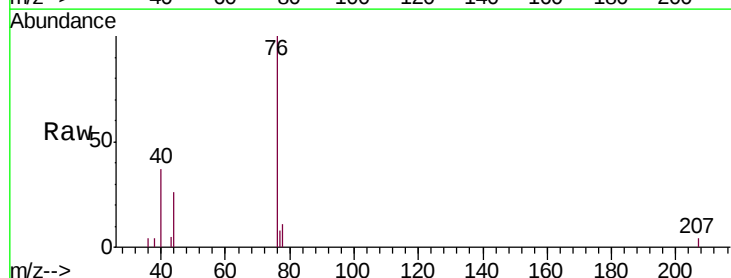
Acq: 07 Mar 2019 20:58

Tgt Ion: 76 Resp: 5863

Ion Ratio Lower Upper

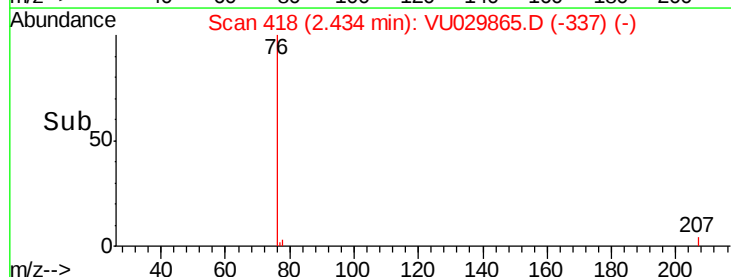
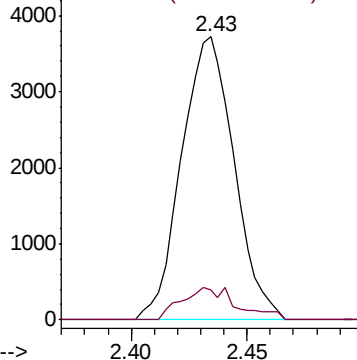
76 100

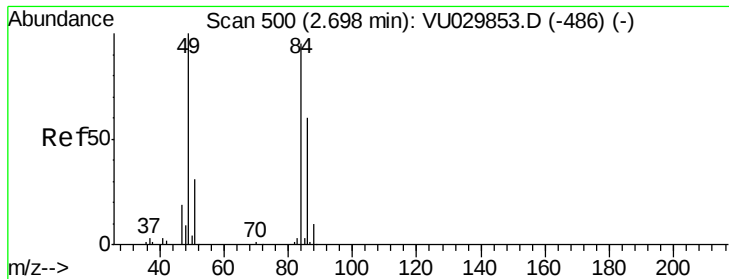
78 10.7 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0





#16

Methylene chloride

Concen: 0.619 ug/L

RT: 2.68 min Scan# 495

Delta R.T. -0.02 min

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MSVOA_U

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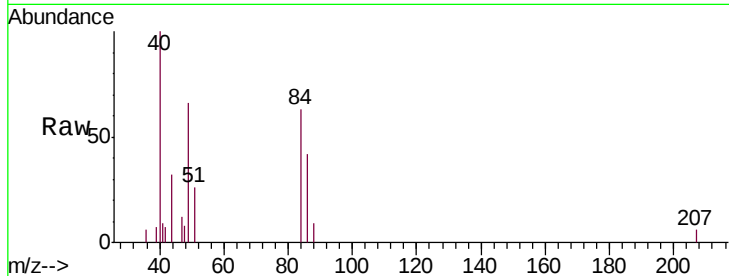
Tgt Ion: 84 Resp: 2040

Ion Ratio Lower Upper

84 100

86 67.3 45.8 85.0

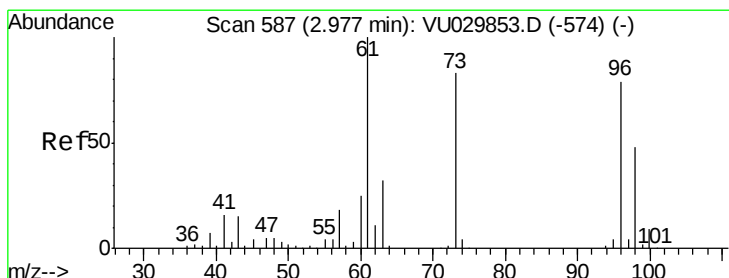
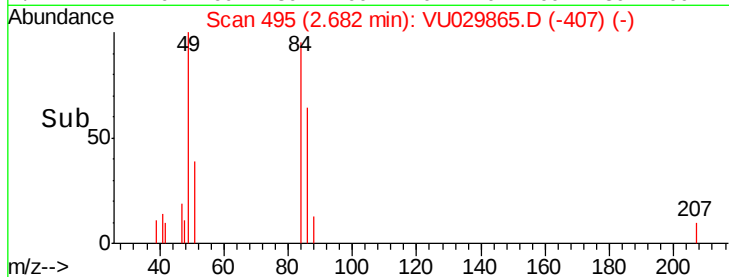
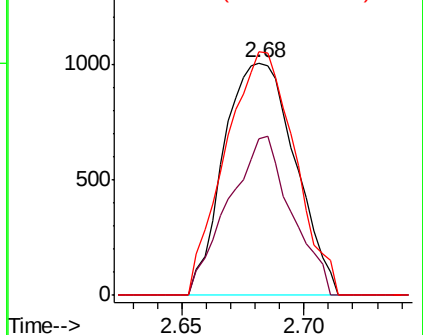
49 104.8 75.1 139.5



Abundance Ion 84.00 (83.70 to 84.70): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.00 (48.70 to 49.70): VU0



#17

trans-1,2-Dichloroethene

Concen: 0.429 ug/L

RT: 2.96 min Scan# 582

Delta R.T. -0.02 min

Lab File: VU029865.D

Acq: 07 Mar 2019 20:58

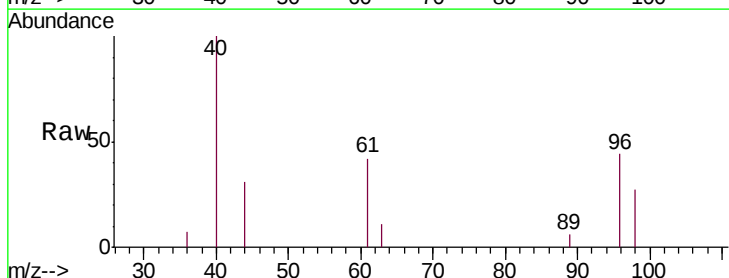
Tgt Ion: 96 Resp: 1350

Ion Ratio Lower Upper

96 100

61 95.8 88.3 163.9

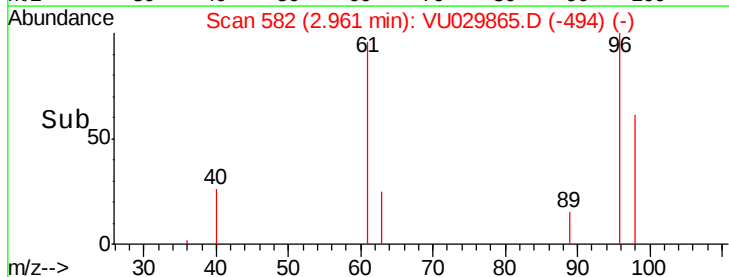
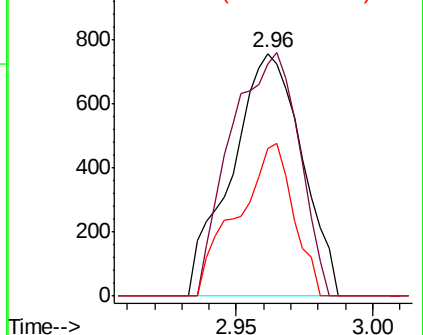
98 60.8 44.8 83.2

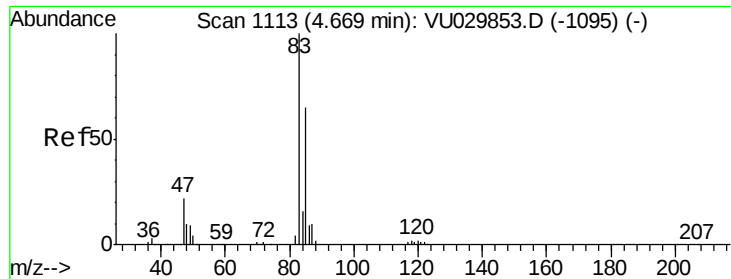


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

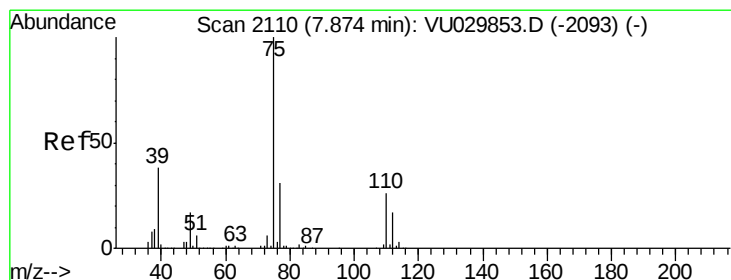
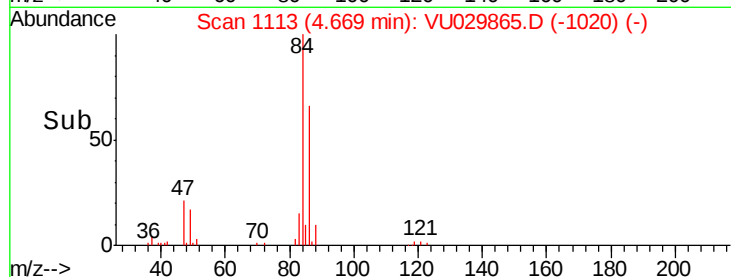
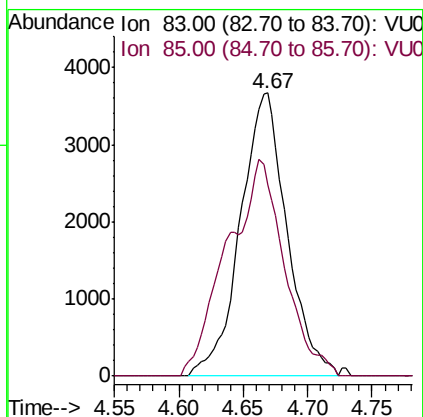
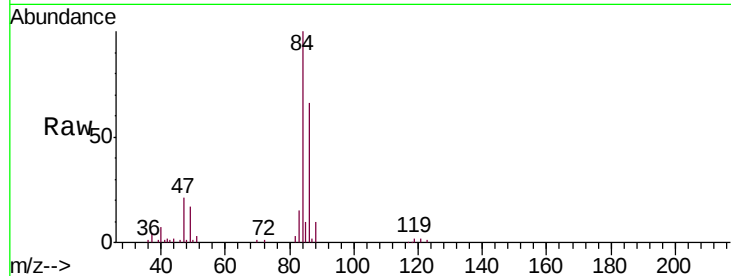




#25
Chloroform
Concen: 1.524 ug/L
RT: 4.67 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VU029865.D
Acq: 07 Mar 2019 20:58

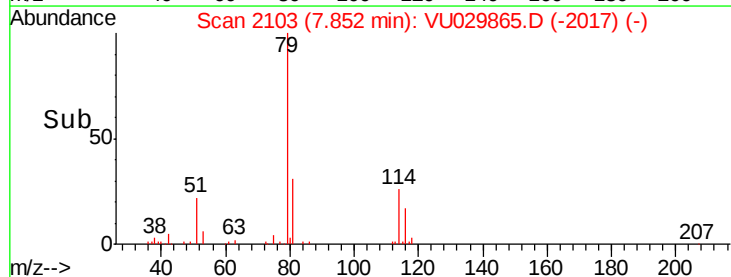
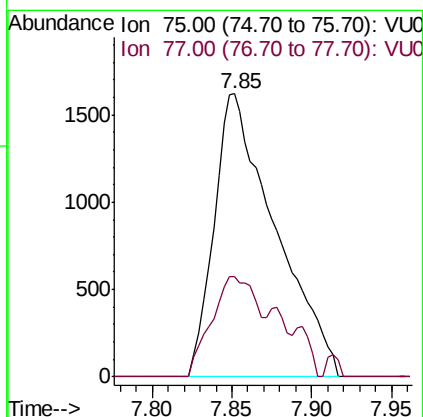
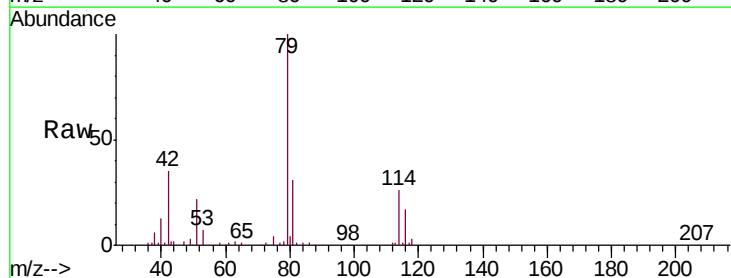
Instrument :
MSVOA_U
ClientSampleId :
BFON8ME

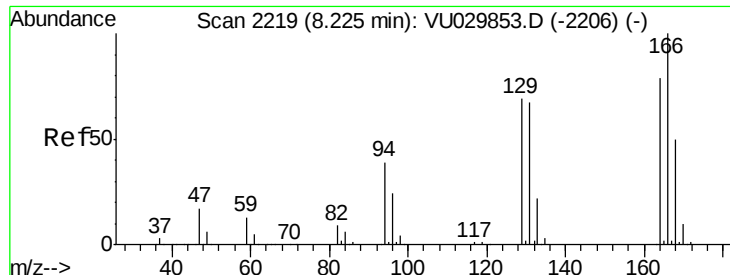
Tgt Ion: 83 Resp: 9248
Ion Ratio Lower Upper
83 100
85 67.5 45.4 84.2



#44
trans-1,3-Dichloropropene
Concen: 0.799 ug/L
RT: 7.85 min Scan# 2103
Delta R.T. -0.02 min
Lab File: VU029865.D
Acq: 07 Mar 2019 20:58

Tgt Ion: 75 Resp: 4252
Ion Ratio Lower Upper
75 100
77 35.2 22.1 41.1





#46

Tetrachloroethene

Concen: 14.489 ug/L

RT: 8.22 min Scan# 2219

Delta R.T. -0.00 min

Lab File: VU029865.D

Acq: 07 Mar 2019 20:58

Instrument :

MSVOA_U

ClientSampleId :

BFON8ME

Tgt Ion:164 Resp: 50922

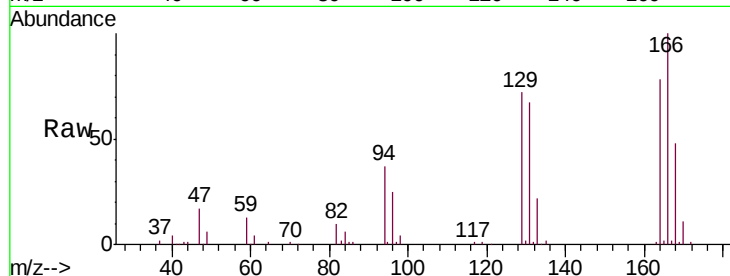
Ion Ratio Lower Upper

164 100

129 92.3 62.1 115.3

131 85.4 60.1 111.5

166 128.0 89.7 166.5

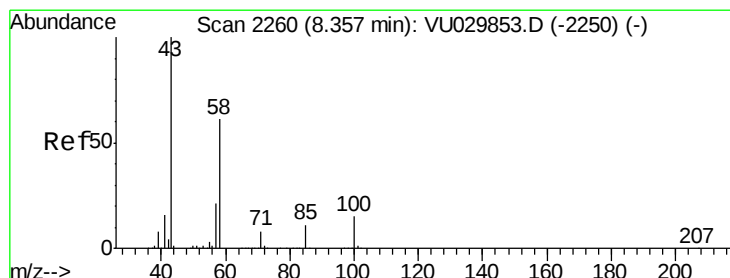
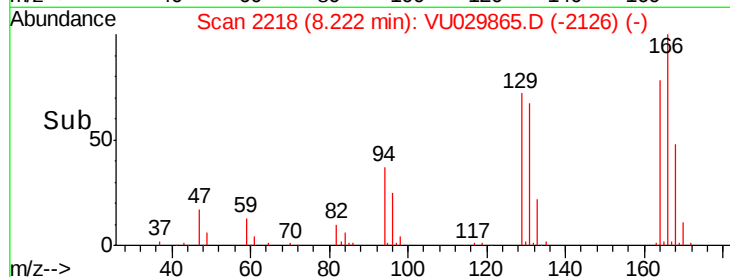
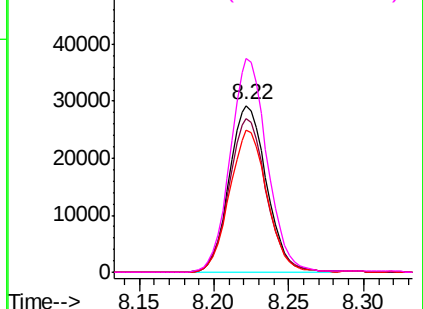


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 1.298 ug/L

RT: 8.38 min Scan# 2266

Delta R.T. 0.02 min

Lab File: VU029865.D

Acq: 07 Mar 2019 20:58

Tgt Ion: 43 Resp: 5578

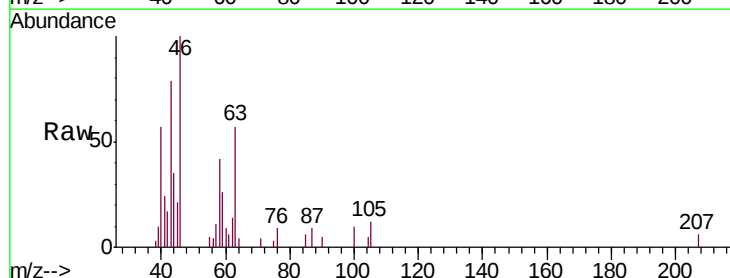
Ion Ratio Lower Upper

43 100

58 2.2 46.4 69.6#

57 10.8 15.7 23.5#

100 2.7 10.9 16.3#

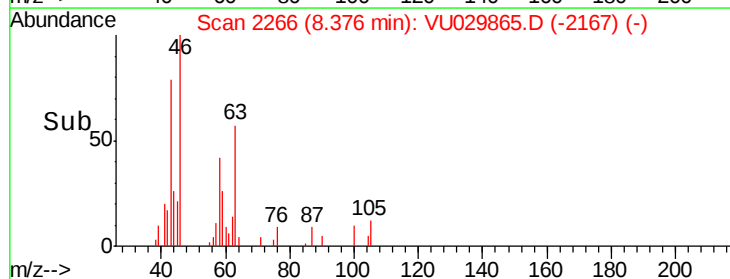
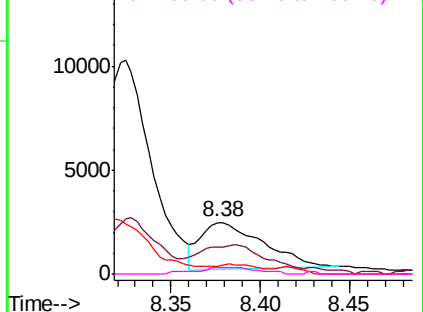


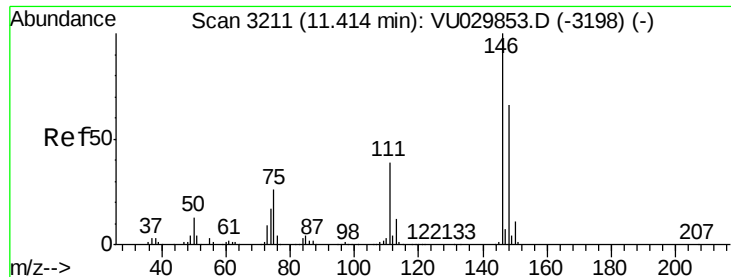
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0

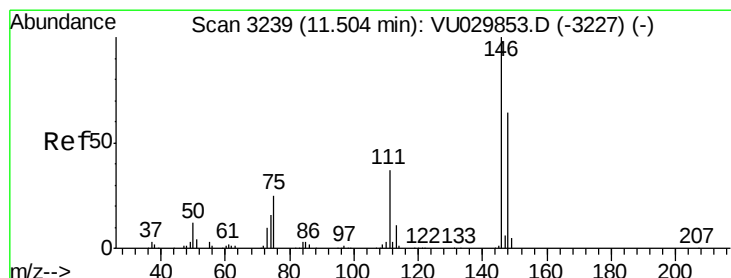
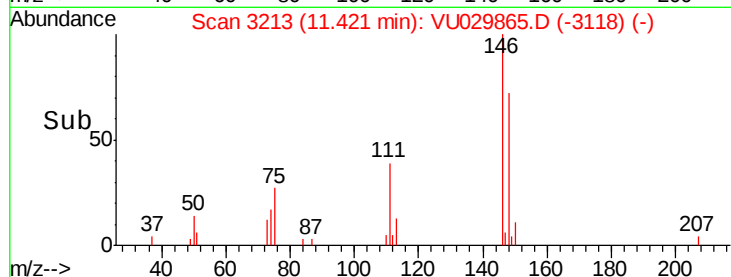
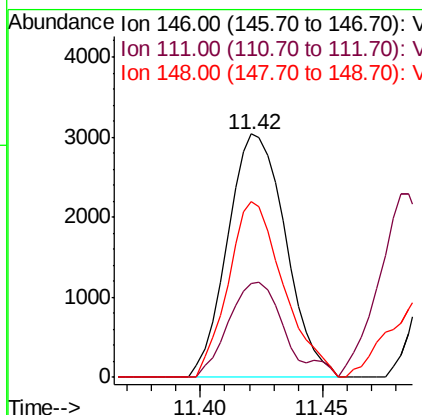
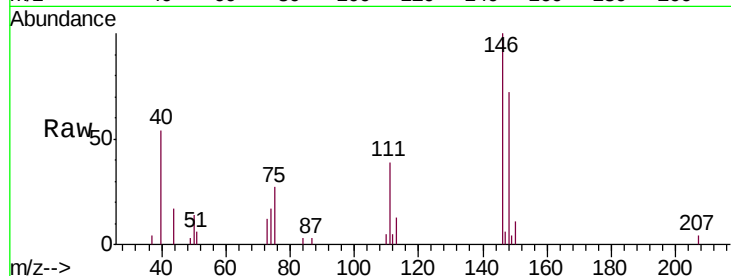




#62
 1,3-Dichlorobenzene
 Concen: 0.580 ug/L
 RT: 11.42 min Scan# 3213
 Delta R.T. 0.01 min
 Lab File: VU029865.D
 Acq: 07 Mar 2019 20:58

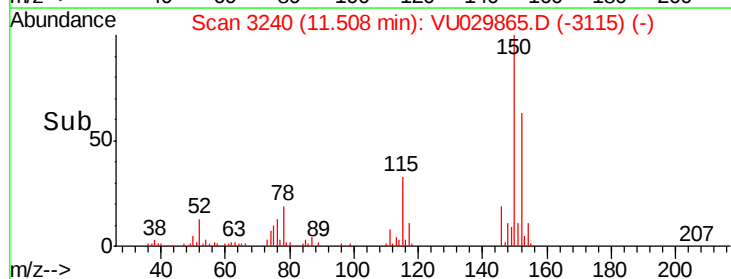
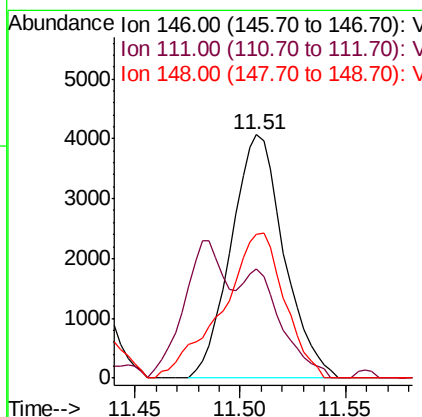
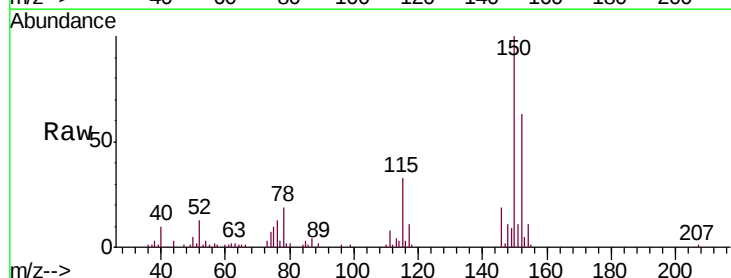
Instrument :
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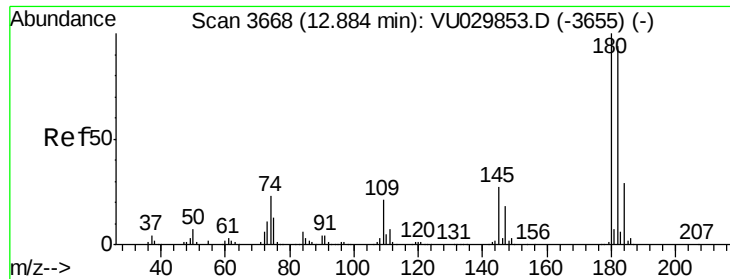
Tgt Ion:146 Resp: 5022
 Ion Ratio Lower Upper
 146 100
 111 38.6 26.7 49.5
 148 72.4 45.9 85.3



#63
 1,4-Dichlorobenzene
 Concen: 0.814 ug/L
 RT: 11.51 min Scan# 3240
 Delta R.T. 0.00 min
 Lab File: VU029865.D
 Acq: 07 Mar 2019 20:58

Tgt Ion:146 Resp: 7092
 Ion Ratio Lower Upper
 146 100
 111 45.1 25.1 46.5
 148 59.0 45.0 83.6

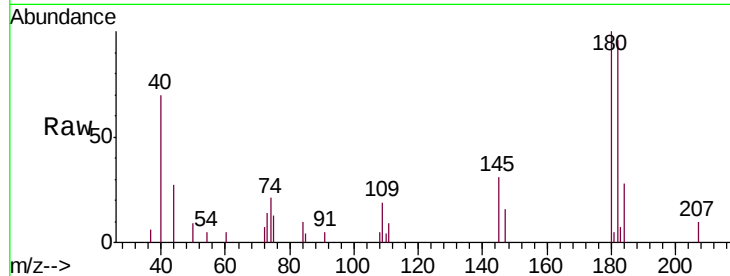




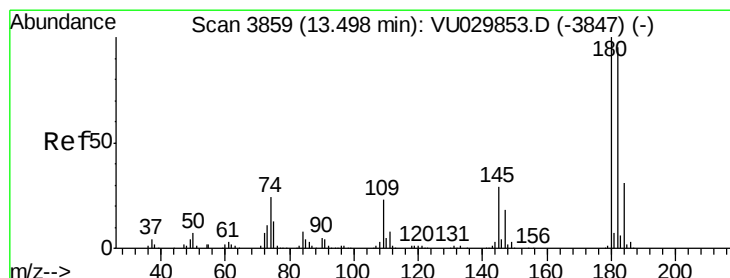
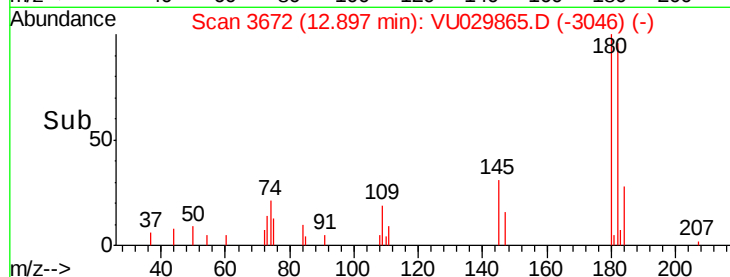
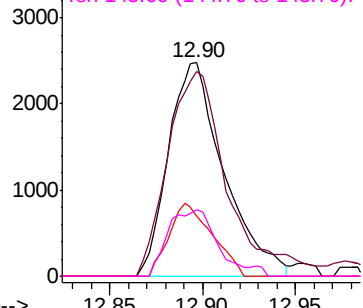
#67
 1,3,5-Trichlorobenzene
 Concen: 0.778 ug/L
 RT: 12.90 min Scan# 3672
 Delta R.T. 0.01 min
 Lab File: VU029865.D
 Acq: 07 Mar 2019 20:58

Instrument :
 MSVOA_U
 ClientSampleId :
 BFON8ME

Tgt Ion:	180	Resp:	5141
Ion	Ratio	Lower	Upper
180	100		
182	99.0	77.9	116.9
184	26.5	24.5	36.7
145	27.4	22.4	33.6

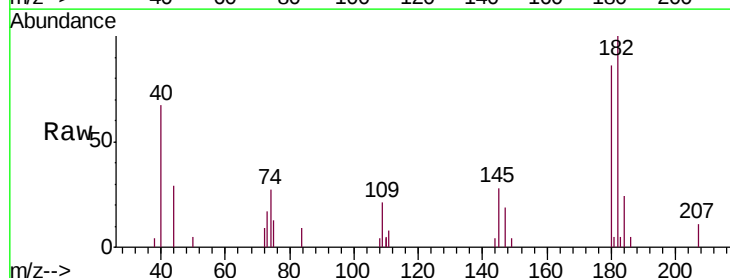


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

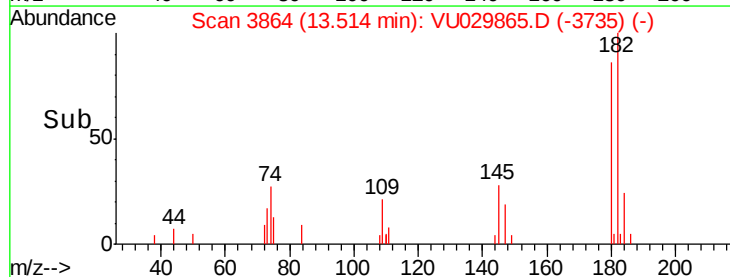
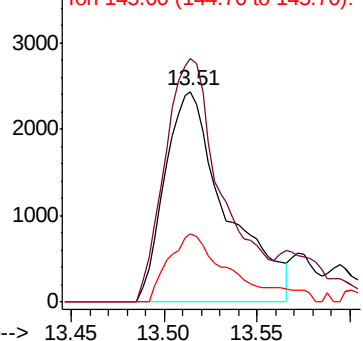


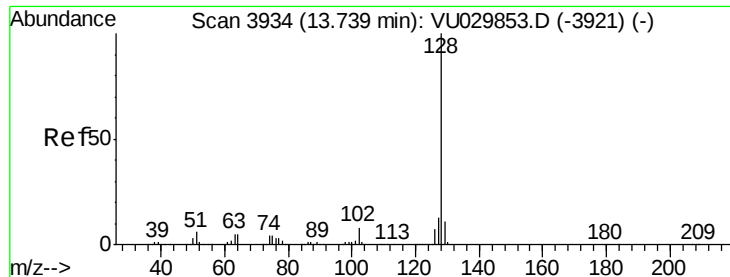
#68
 1,2,4-trichlorobenzene
 Concen: 0.981 ug/L
 RT: 13.51 min Scan# 3864
 Delta R.T. 0.02 min
 Lab File: VU029865.D
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Tgt Ion:	180	Resp:	5605
Ion	Ratio	Lower	Upper
180	100		
182	108.3	76.2	114.2
145	29.7	22.7	34.1



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 1.282 ug/L

RT: 13.76 min Scan# 3939

Delta R.T. 0.02 min

Lab File: VU029865.D

Acq: 07 Mar 2019 20:58

Instrument :

MSVOA_U

ClientSampleId :

BFON8ME

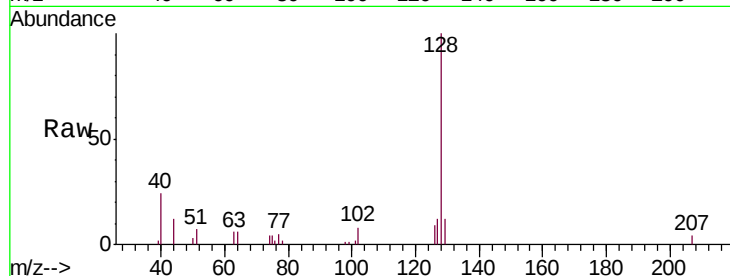
Tgt Ion:128 Resp: 22513

Ion Ratio Lower Upper

128 100

127 5.3 10.2 15.4#

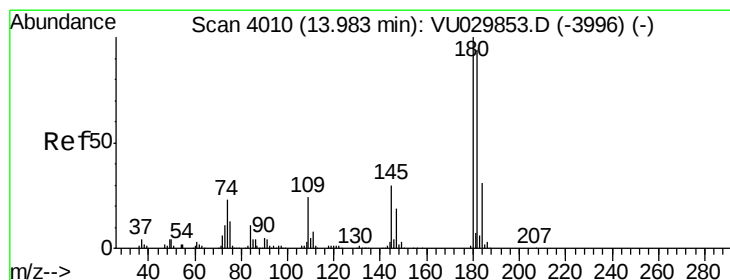
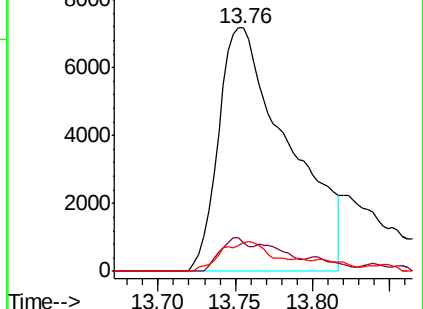
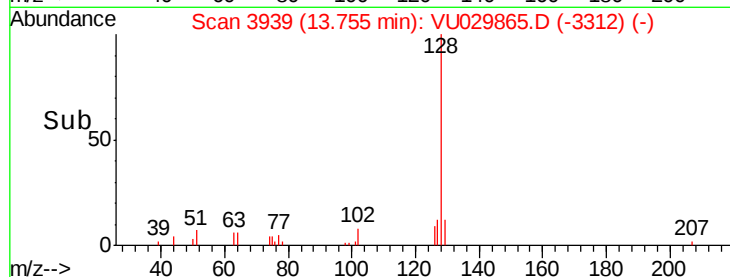
129 3.0 8.5 12.7#



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



#70

1,2,3-Trichlorobenzene

Concen: 1.426 ug/L

RT: 13.99 min Scan# 4013

Delta R.T. 0.01 min

Lab File: VU029865.D

Acq: 07 Mar 2019 20:58

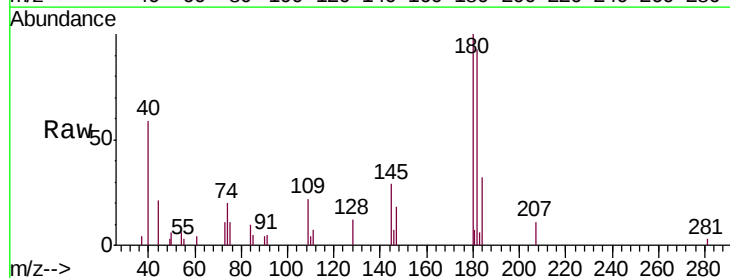
Tgt Ion:180 Resp: 8651

Ion Ratio Lower Upper

180 100

182 88.3 76.8 115.2

145 24.4 24.4 36.6



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

