

Data File : VU034776.D
Acq On : 24 Sep 2019 17:12
Operator : JC/SP
Sample : K4984-09
Misc : 4.59g/5.0ml/100uL/5.0mL/MSVOA_U/MEOH
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BEDL3

Quant Time: Sep 25 03:03:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091919WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Sep 25 02:59:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	752513	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	724346	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	348786	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	316429	41.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.14%
7) Chloroethane-d5	1.63	69	231795	38.93	ug/L	-0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	77.86%
11) 1,1-Dichloroethene-d2	2.22	63	511629	39.22	ug/L	-0.04
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.44%
21) 2-Butanone-d5	4.17	46	738703	125.11	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	125.11%
24) Chloroform-d	4.62	84	600718	53.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.28%
26) 1,2-Dichloroethane-d4	5.28	65	419910	51.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.00%
32) Benzene-d6	5.31	84	1293635	57.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	115.24%
36) 1,2-Dichloropropane-d6	6.31	67	456156	58.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	116.26%
41) Toluene-d8	7.54	98	1238247	57.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	115.94%
43) trans-1,3-Dichloropropene-	7.83	79	212097	56.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	112.86%
47) 2-Hexanone-d5	8.31	63	550034	139.56	ug/L	0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	139.56%#
57) 1,1,2,2-Tetrachloroethane-	10.41	84	673912	61.89	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	123.78%#
64) 1,2-Dichlorobenzene-d4	11.84	152	460735	63.00	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	126.00%#

Target Compounds

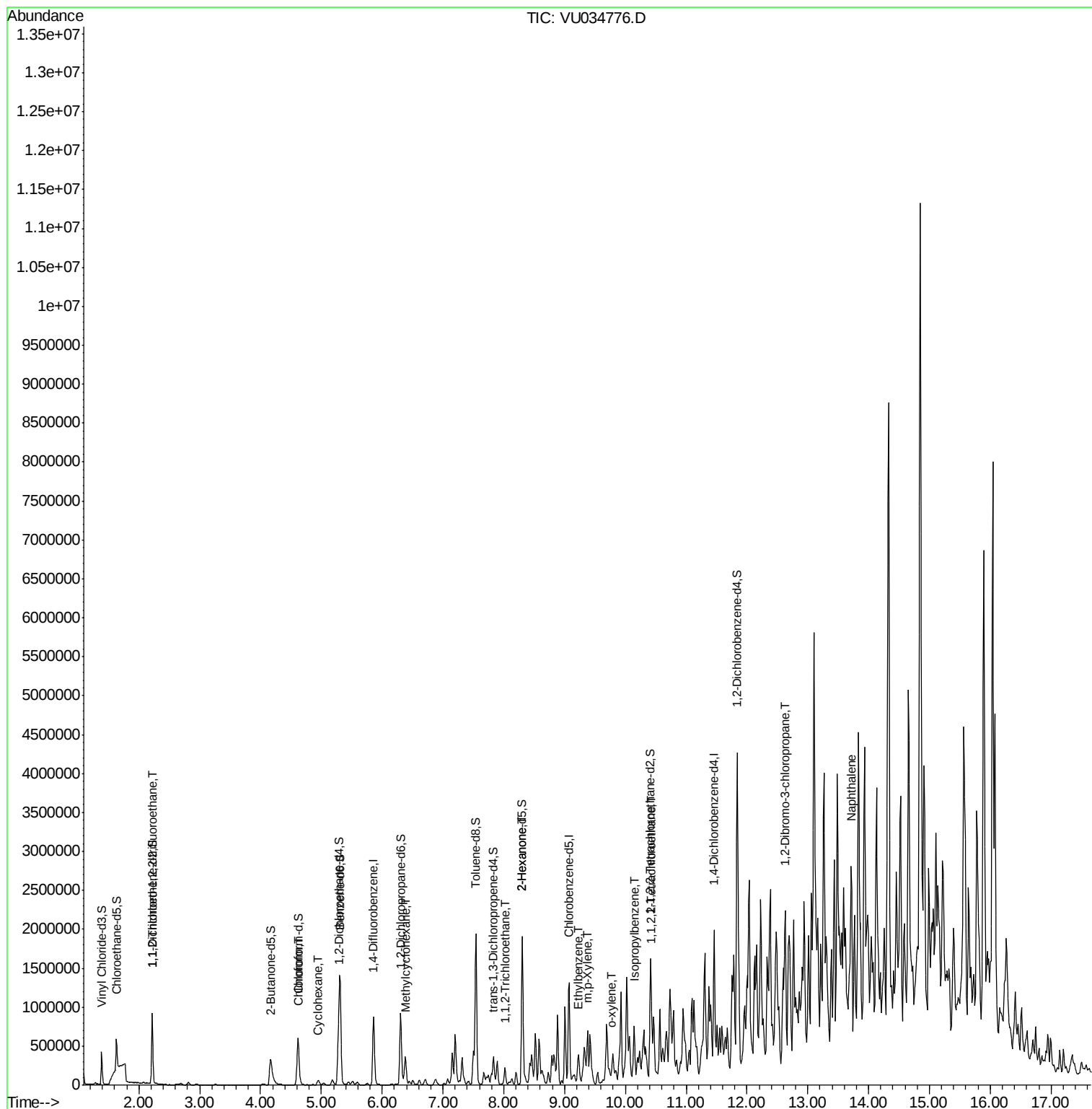
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.22	101	4403	0.858	ug/L #	26
25) Chloroform	4.64	83	10170	0.836	ug/L #	70
29) Cyclohexane	4.95	56	22178	1.855	ug/L #	58
35) Methylcyclohexane	6.38	83	145460	13.815	ug/L	99
45) 1,1,2-Trichloroethane	8.02	97	80868	13.496	ug/L #	16
48) 2-Hexanone	8.31	43	248493	22.278	ug/L #	40
52) Ethylbenzene	9.23	91	144495	4.726	ug/L	99
53) m,p-Xylene	9.36	106	14806	1.367	ug/L	96
54) o-xylene	9.76	106	9965	0.930	ug/L	99
56) Isopropylbenzene	10.15	105	361810	12.528	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.44	83	14606	1.269	ug/L #	94
66) 1,2-Dibromo-3-chloropropan	12.63	75	8701	3.354	ug/L #	29
69) Naphthalene	13.72	128	547429	24.847	ug/L #	92

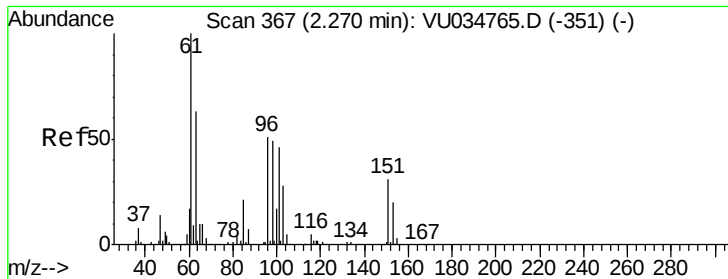
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.858 ug/L

RT: 2.22 min Scan# 350

Delta R.T. -0.05 min

Lab File: VU034776.D

Acq: 24 Sep 2019 17:12

Instrument :

MSVOA_U

ClientSampleId :

BEDL3

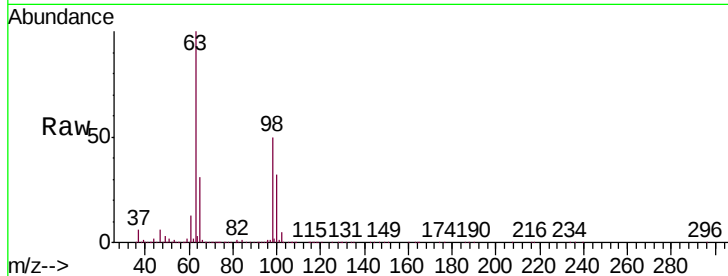
Tgt Ion:101 Resp: 4403

Ion Ratio Lower Upper

101 100

85 0.9 39.0 58.4#

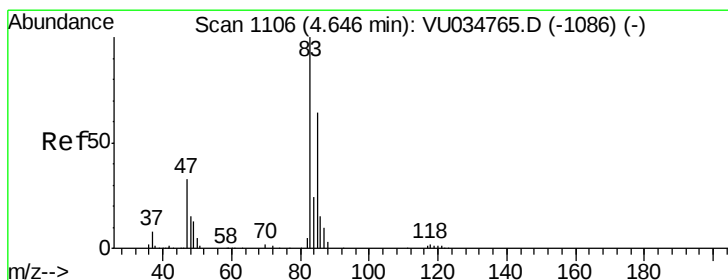
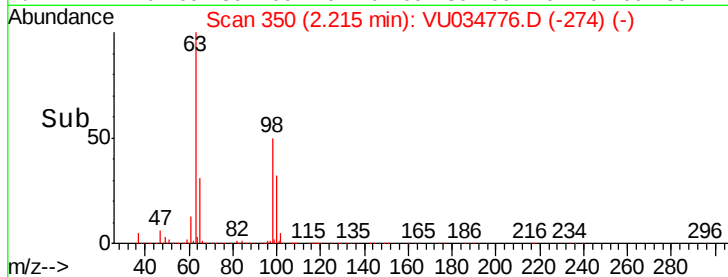
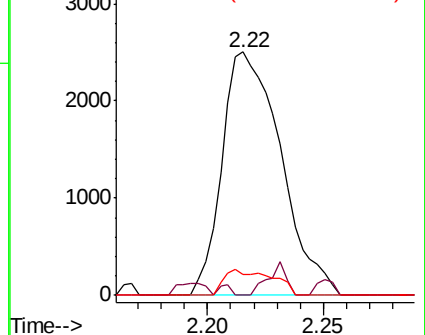
151 4.6 52.8 79.2#



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



#25

Chloroform

Concen: 0.836 ug/L

RT: 4.64 min Scan# 1104

Delta R.T. -0.01 min

Lab File: VU034776.D

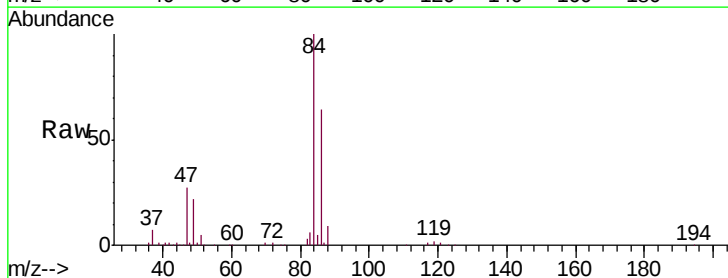
Acq: 24 Sep 2019 17:12

Tgt Ion: 83 Resp: 10170

Ion Ratio Lower Upper

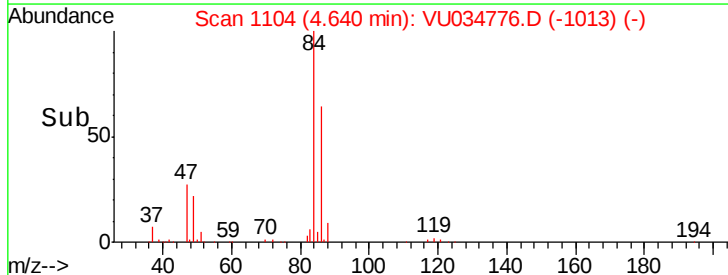
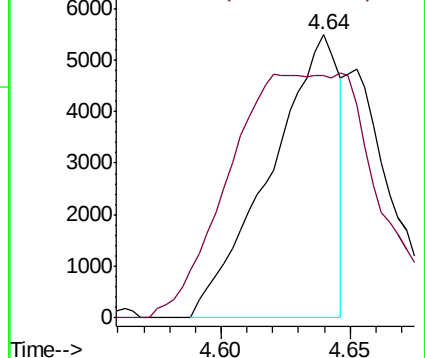
83 100

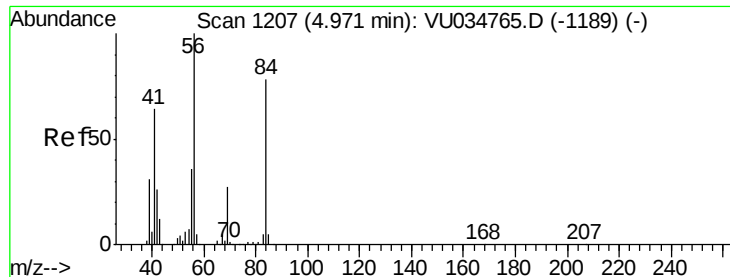
85 85.7 44.0 81.6#



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

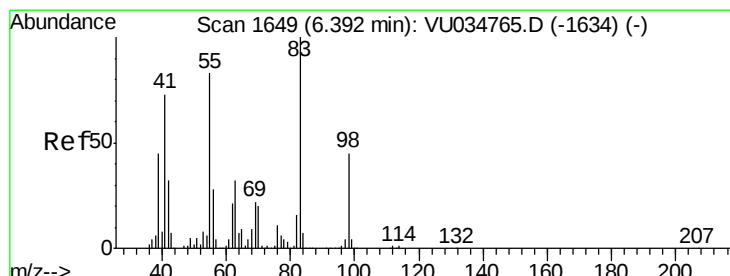
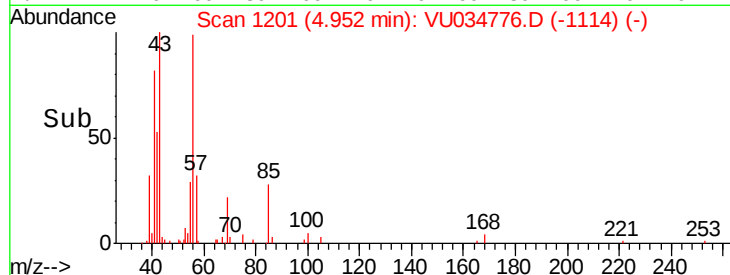
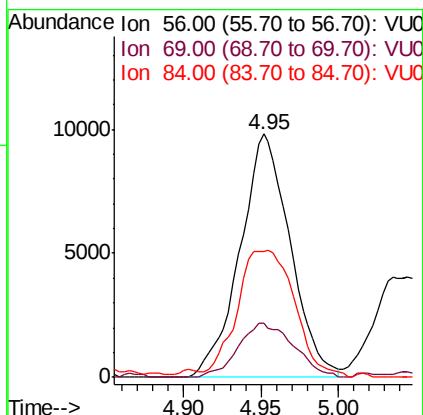
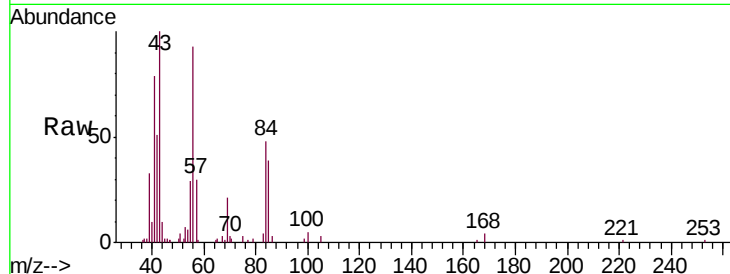




#29
Cyclohexane
Concen: 1.855 ug/L
RT: 4.95 min Scan# 1201
Delta R.T. -0.02 min
Lab File: VU034776.D
Acq: 24 Sep 2019 17:12

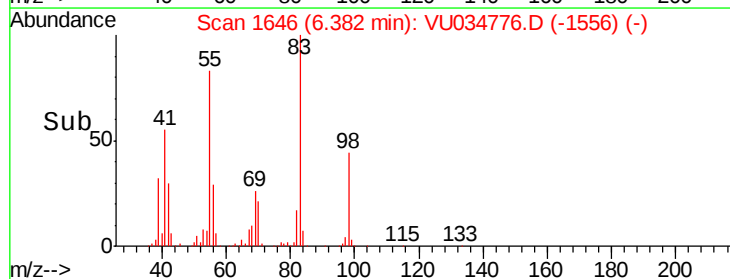
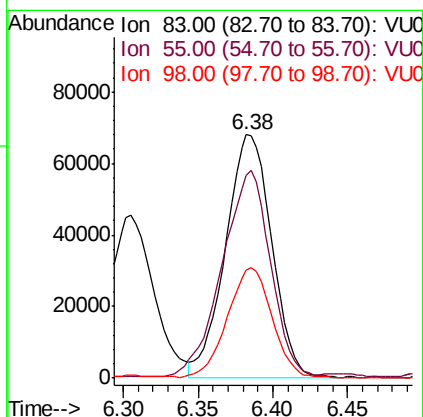
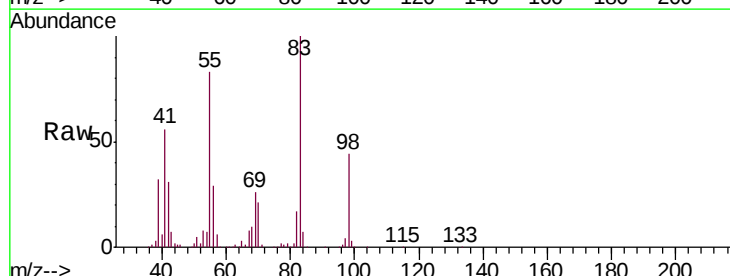
Instrument :
MSVOA_U
ClientSampleId :
BEDL3

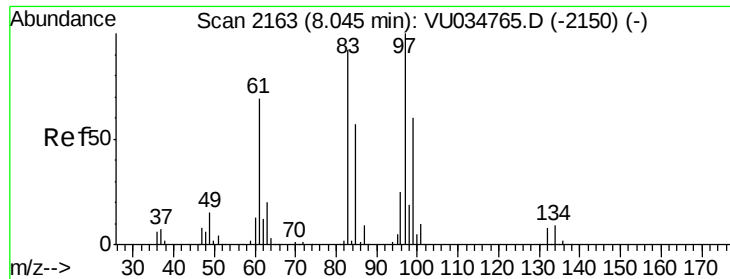
Tgt Ion: 56 Resp: 22178
Ion Ratio Lower Upper
56 100
69 24.6 21.7 32.5
84 27.0 58.8 88.2#



#35
Methylcyclohexane
Concen: 13.815 ug/L
RT: 6.38 min Scan# 1646
Delta R.T. -0.01 min
Lab File: VU034776.D
Acq: 24 Sep 2019 17:12

Tgt Ion: 83 Resp: 145460
Ion Ratio Lower Upper
83 100
55 88.3 71.6 107.4
98 43.7 35.7 53.5

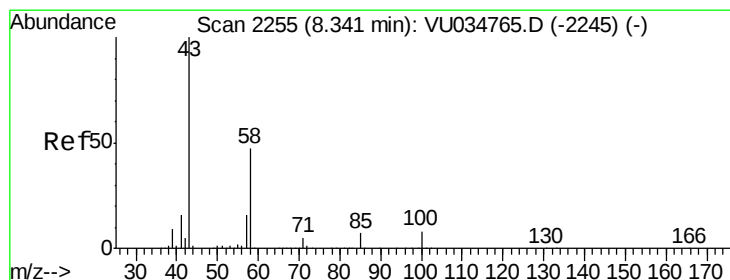
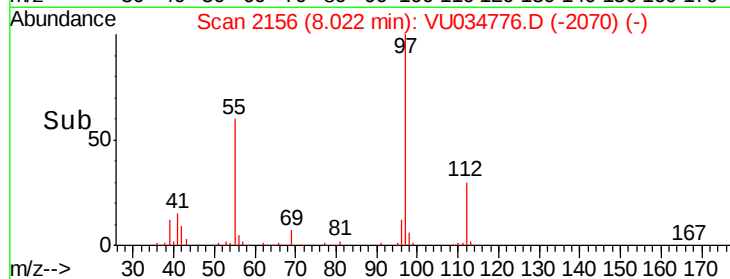
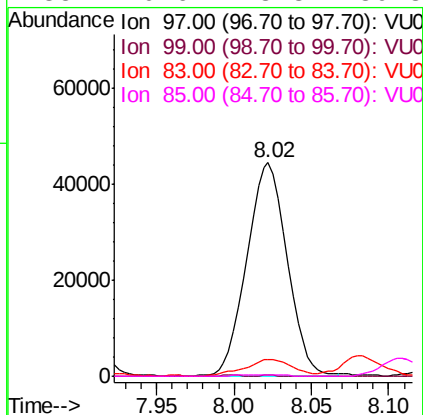
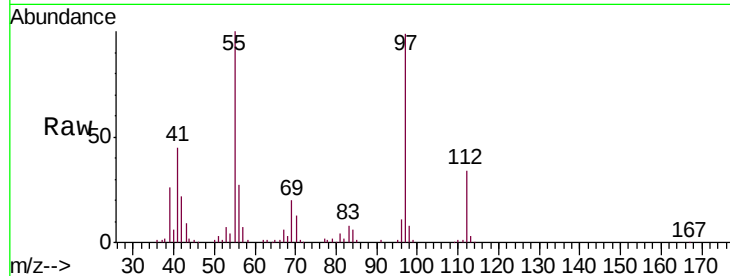




#45
 1,1,2-Trichloroethane
 Concen: 13.496 ug/L
 RT: 8.02 min Scan# 2156
 Delta R.T. -0.02 min
 Lab File: VU034776.D
 Acq: 24 Sep 2019 17:12

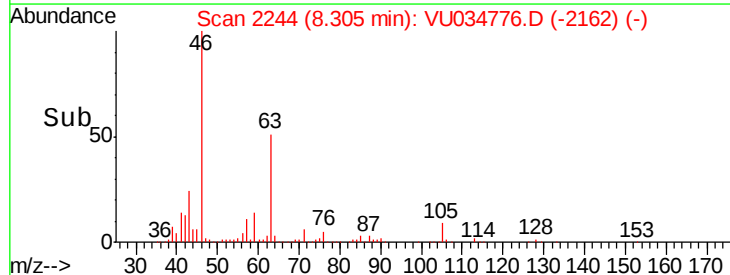
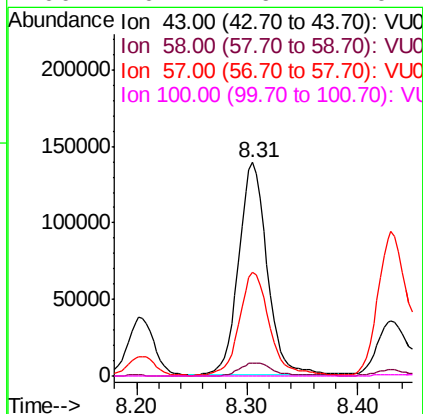
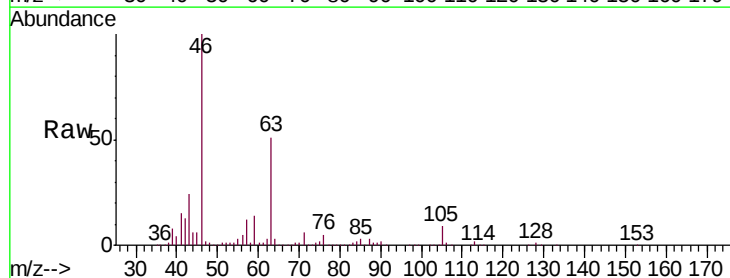
Instrument :
 MSVOA_U
 ClientSampleId :
 BEDL3

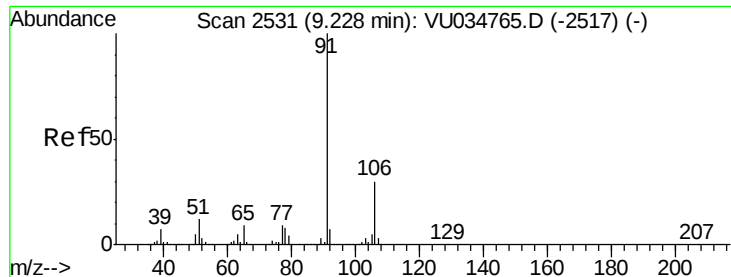
Tgt Ion: 97 Resp: 80868
 Ion Ratio Lower Upper
 97 100
 99 0.6 43.6 81.0#
 83 8.0 66.9 124.3#
 85 0.6 43.3 80.3#



#48
 2-Hexanone
 Concen: 22.278 ug/L
 RT: 8.31 min Scan# 2244
 Delta R.T. -0.04 min
 Lab File: VU034776.D
 Acq: 24 Sep 2019 17:12

Tgt Ion: 43 Resp: 248493
 Ion Ratio Lower Upper
 43 100
 58 6.9 35.3 52.9#
 57 51.1 12.1 18.1#
 100 0.1 6.2 9.4#





#52

Ethylbenzene

Concen: 4.726 ug/L

RT: 9.23 min Scan# 2533

Delta R.T. 0.01 min

Lab File: VU034776.D

Acq: 24 Sep 2019 17:12

Instrument :

MSVOA_U

ClientSampleId :

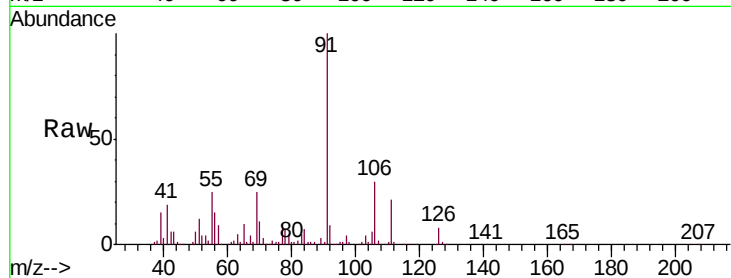
BEDL3

Tgt Ion: 91 Resp: 144495

Ion Ratio Lower Upper

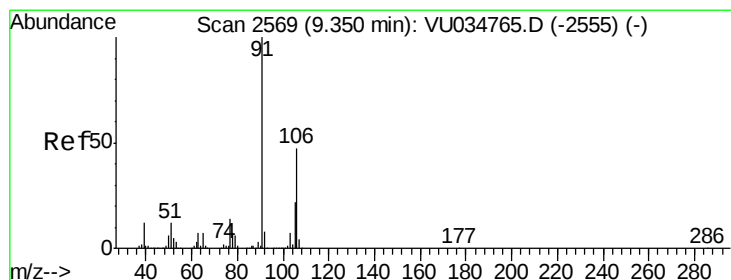
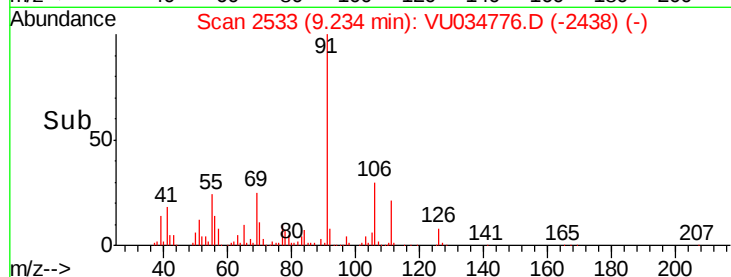
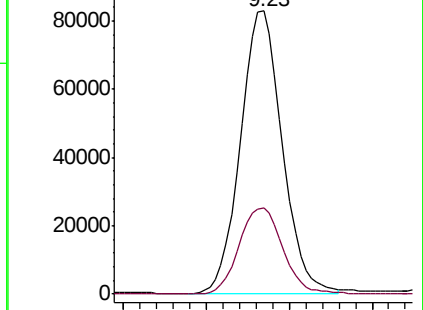
91 100

106 30.3 20.6 38.4



Abundance Ion 91.00 (90.70 to 91.70): VU034776.D (-2517) (-)

Ion 106.00 (105.70 to 106.70): VU034776.D (-2517) (-)



#53

m,p-Xylene

Concen: 1.367 ug/L

RT: 9.36 min Scan# 2572

Delta R.T. 0.01 min

Lab File: VU034776.D

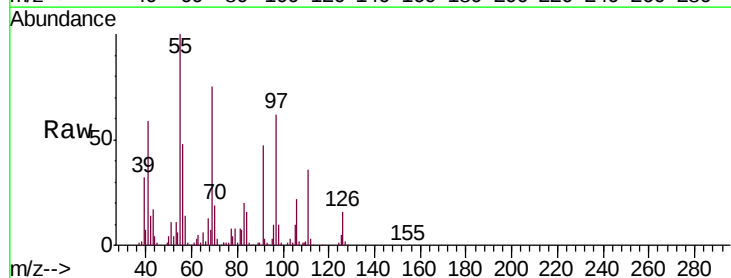
Acq: 24 Sep 2019 17:12

Tgt Ion: 106 Resp: 14806

Ion Ratio Lower Upper

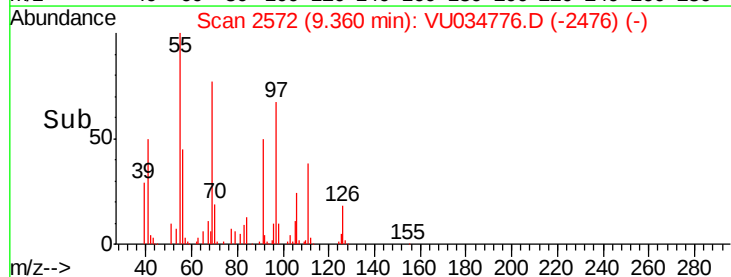
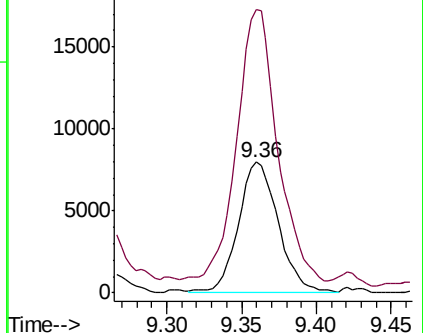
106 100

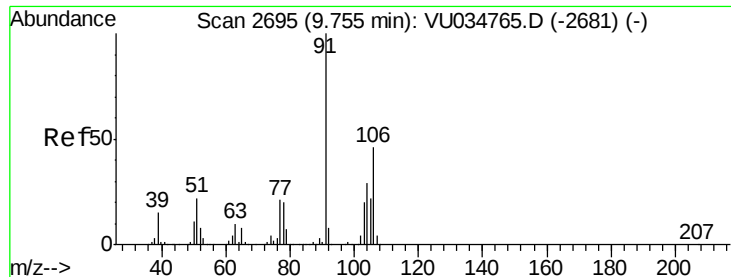
91 216.6 146.9 272.7



Abundance Ion 106.00 (105.70 to 106.70): VU034776.D (-2555) (-)

Ion 91.00 (90.70 to 91.70): VU034776.D (-2555) (-)





#54

o-xylene

Concen: 0.930 ug/L

RT: 9.76 min Scan# 2697

Delta R.T. 0.01 min

Lab File: VU034776.D

Acq: 24 Sep 2019 17:12

Instrument :

MSVOA_U

ClientSampleId :

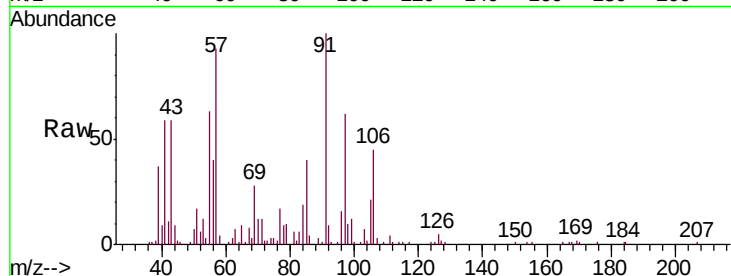
BEDL3

Tgt Ion:106 Resp: 9965

Ion Ratio Lower Upper

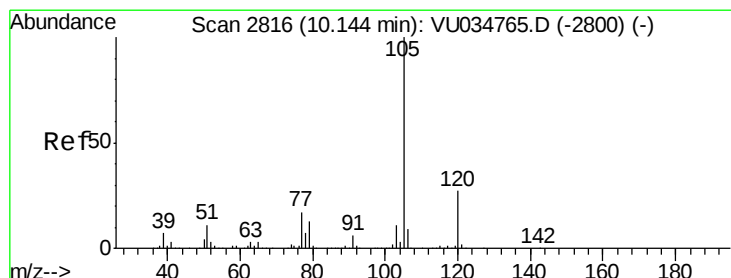
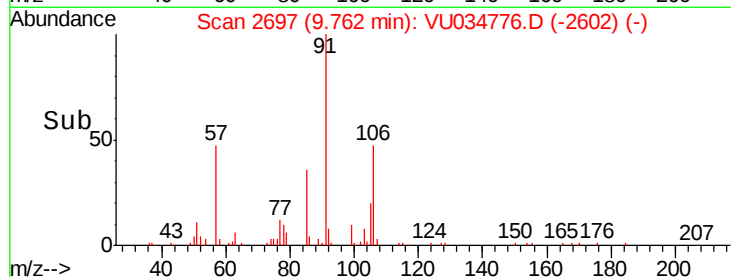
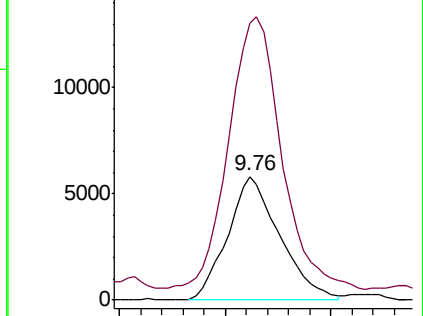
106 100

91 223.3 155.6 289.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#56

Isopropylbenzene

Concen: 12.528 ug/L

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU034776.D

Acq: 24 Sep 2019 17:12

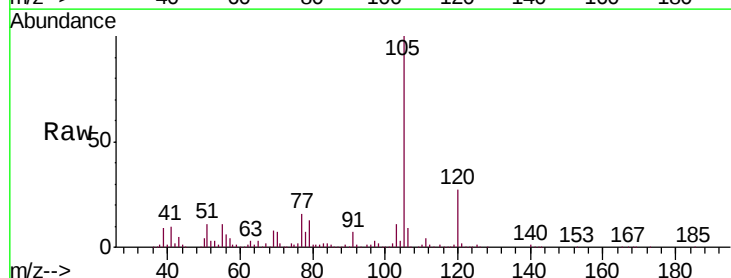
Tgt Ion:105 Resp: 361810

Ion Ratio Lower Upper

105 100

120 26.9 20.4 30.6

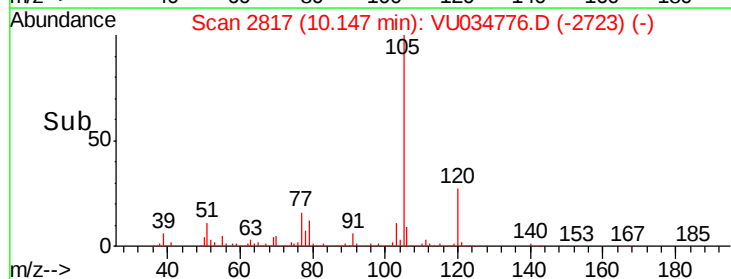
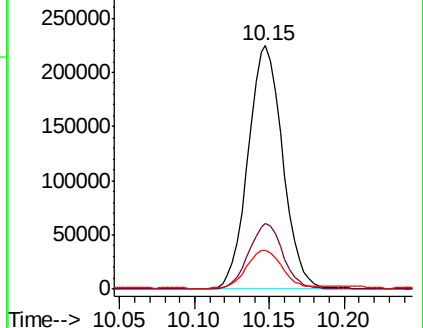
77 16.2 14.2 21.4

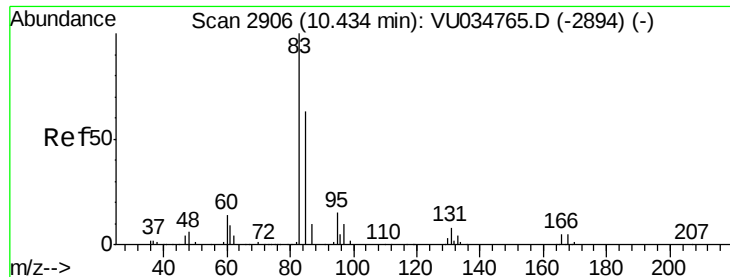


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VU0





#58

1,1,2,2-Tetrachloroethane

Concen: 1.269 ug/L

RT: 10.44 min Scan# 2907

Delta R.T. 0.00 min

Lab File: VU034776.D

Acq: 24 Sep 2019 17:12

Instrument :

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ClientSampleId :

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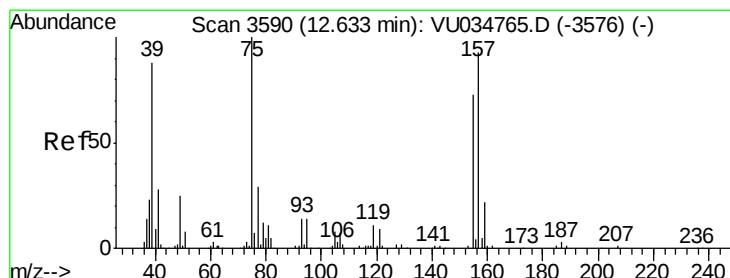
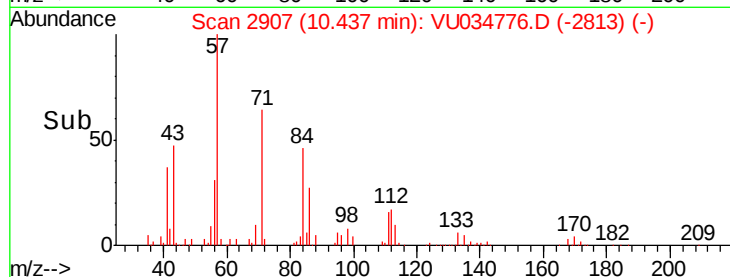
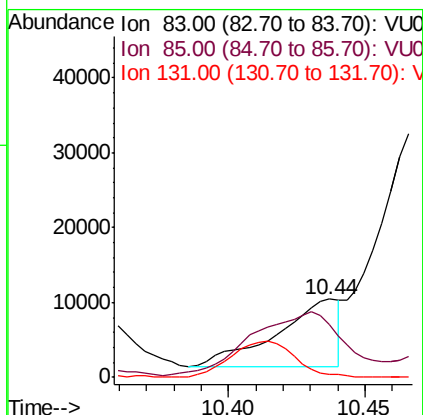
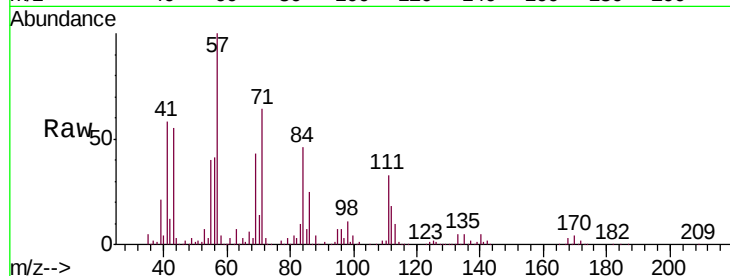
Tgt Ion: 83 Resp: 14606

Ion Ratio Lower Upper

83 100

85 67.2 44.6 82.8

131 3.5 6.6 10.0#



#66

1,2-Dibromo-3-chloropropane

Concen: 3.354 ug/L

RT: 12.63 min Scan# 3589

Delta R.T. -0.00 min

Lab File: VU034776.D

Acq: 24 Sep 2019 17:12

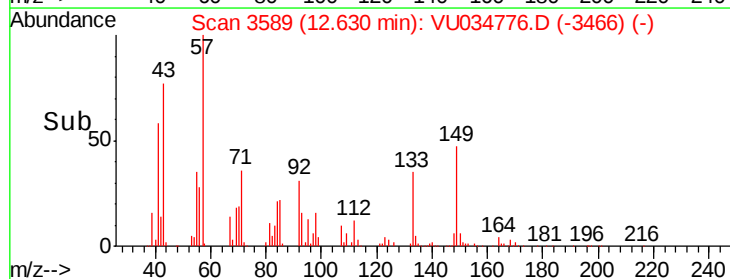
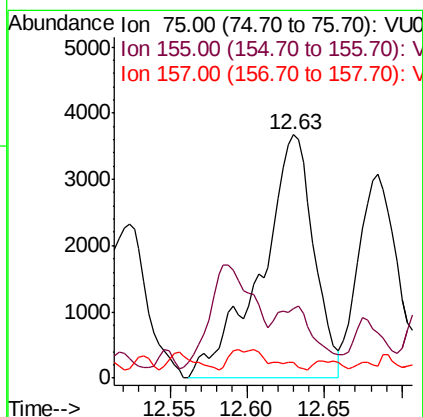
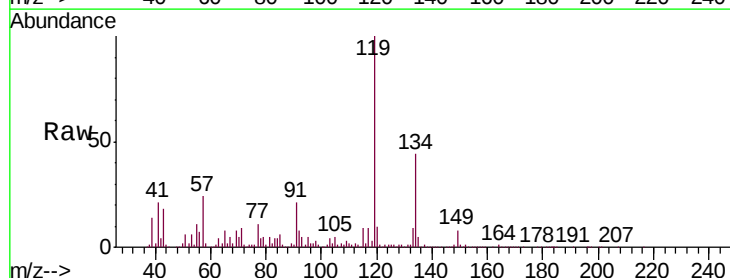
Tgt Ion: 75 Resp: 8701

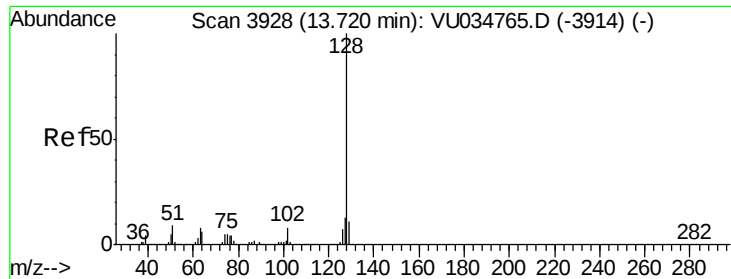
Ion Ratio Lower Upper

75 100

155 28.8 54.7 82.1#

157 6.3 69.9 104.9#





#69

Naphthalene

Concen: 24.847 ug/L

RT: 13.72 min Scan# 3928

Delta R.T. -0.00 min

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ClientSampleId :

BEDL3

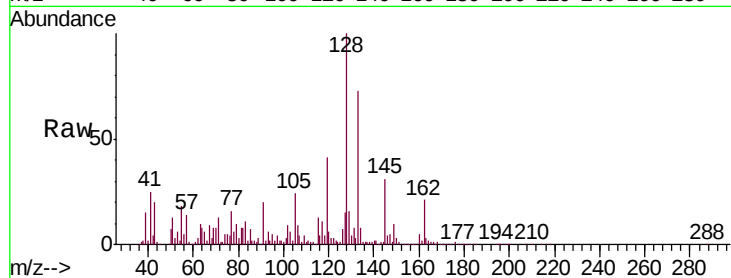
Tgt Ion:128 Resp: 547429

Ion Ratio Lower Upper

128 100

127 13.2 10.8 16.2

129 17.2 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

