

Data File : VV009058.D
Acq On : 19 Dec 2018 18:22
Operator : SY/MD
Sample : J6468-07
Misc : 5.01G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0JG5

Quant Time: Dec 20 02:04:14 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM120618S.M
Quant Title : VOC Analysis
QLast Update : Thu Dec 20 01:58:47 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	255016	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	192890	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	53622	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	58049	22.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.00%
7) Chloroethane-d5	1.58	69	62993	32.31	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	129.24%
10) 1,1-Dichloroethene-d2	2.13	63	160742	24.36	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	97.44%
20) 2-Butanone-d5	4.06	46	76	0.08	ug/L	0.13
Spiked Amount	50.000	Range	20 - 135	Recovery	=	0.16%#
24) Chloroform-d	4.40	84	144811	23.62	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.48%
26) 1,2-Dichloroethane-d4	5.08	65	77380	23.13	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.52%
29) Benzene-d6	5.10	84	288843	26.81	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	107.24%
33) 1,2-Dichloropropane-d6	6.12	67	86296	28.61	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	114.44%
37) Toluene-d8	7.36	98	245678	24.64	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.56%
38) trans-1,3-Dichloropropene-	7.67	79	30128	22.74	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.96%
39) 2-Hexanone-d5	8.14	63	16350	29.59	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	59.18%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	47045	18.59	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	74.36%
61) 1,2-Dichlorobenzene-d4	11.68	152	46960	23.34	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.36%

Target Compounds

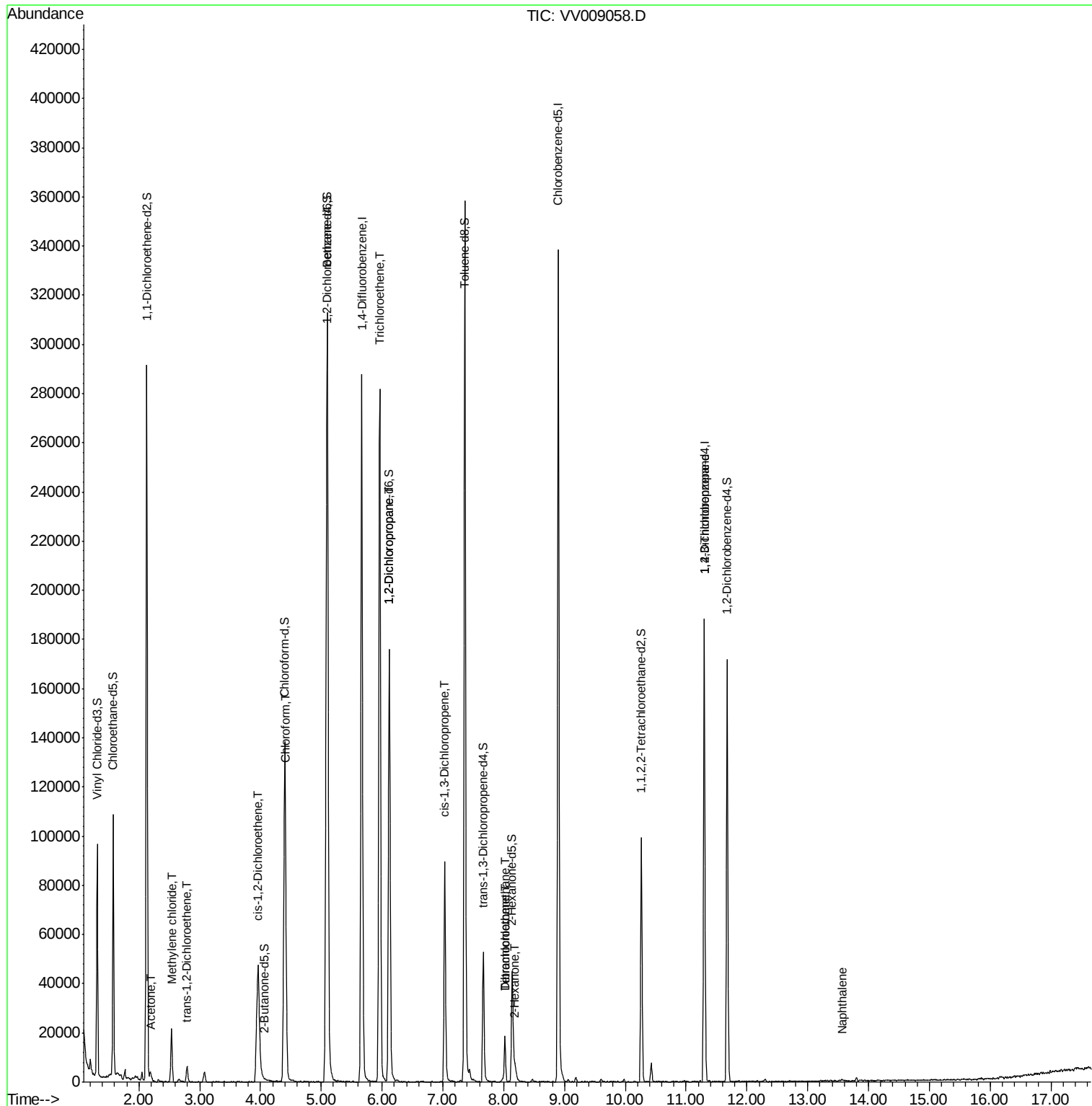
					Qvalue
13) Acetone	2.21	43	2051	1.449 ug/L	86
16) Methylene chloride	2.54	84	9608	2.237 ug/L	87
18) trans-1,2-Dichloroethene	2.79	96	2406	0.677 ug/L	86
22) cis-1,2-Dichloroethene	3.96	96	17157	4.632 ug/L	98
25) Chloroform	4.42	83	3404	0.551 ug/L	77
35) Trichloroethene	5.96	95	97338	27.938 ug/L	99
40) 1,2-Dichloropropane	6.12	63	9713	3.502 ug/L #	85
42) cis-1,3-Dichloropropene	7.03	75	2555	0.629 ug/L #	66
47) Tetrachloroethene	8.02	164	4068	1.436 ug/L	86
49) 2-Hexanone	8.19	43	3205	2.066 ug/L #	73
50) Dibromochloromethane	8.02	129	4089	1.544 ug/L #	11
59) 1,2,3-Trichloropropane	11.30	75	5458	2.525 ug/L #	79
69) Naphthalene	13.56	128	1050	0.349 ug/L #	78

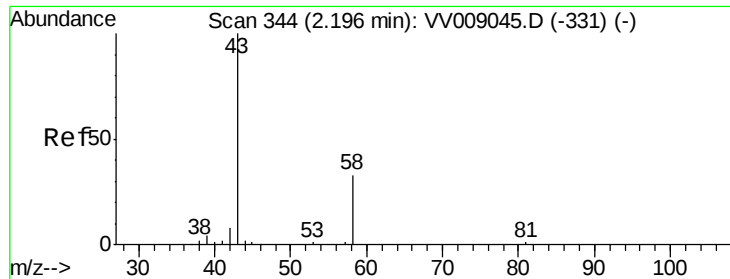
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 1.449 ug/L

RT: 2.21 min Scan# 347

Delta R.T. 0.01 min

Lab File: VV009058.D

Acq: 19 Dec 2018 18:22

Instrument :

MSVOA_V

ClientSampleId :

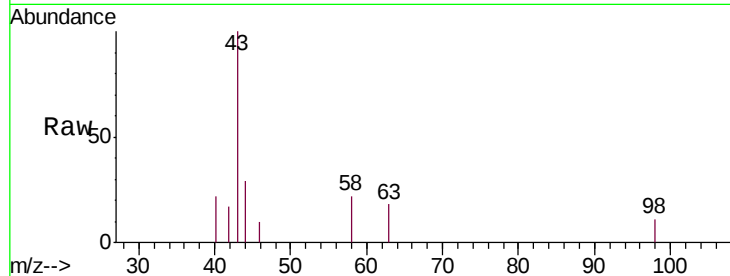
C0JG5

Tgt Ion: 43 Resp: 2051

Ion Ratio Lower Upper

43 100

58 24.7 0.0 65.4



Abundance Ion 43.00 (42.70 to 43.70): VV009045.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV009045.D (-331) (-)

2.21

1200

1000

800

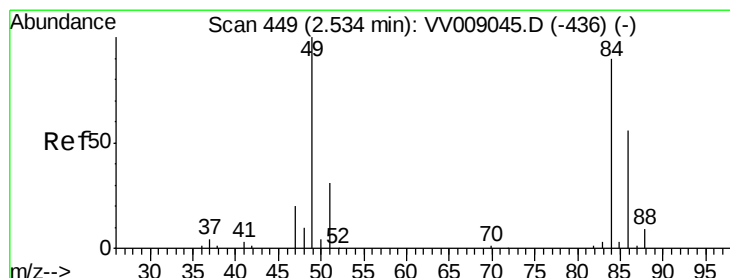
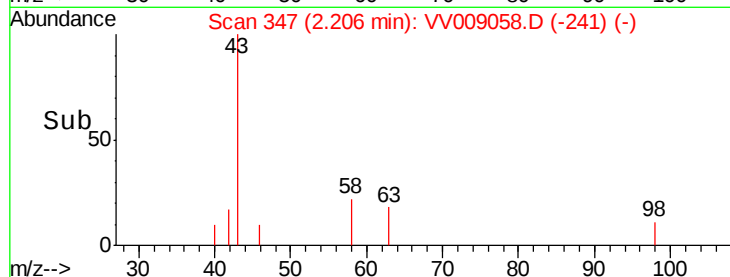
600

400

200

0

Time-->



#16

Methylene chloride

Concen: 2.237 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV009058.D

Acq: 19 Dec 2018 18:22

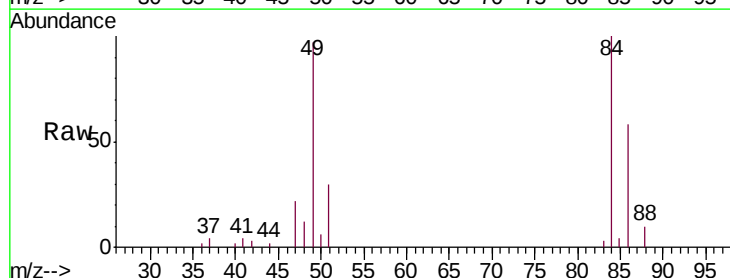
Tgt Ion: 84 Resp: 9608

Ion Ratio Lower Upper

84 100

49 97.3 80.5 149.5

86 58.4 45.5 84.5



Abundance Ion 84.00 (83.70 to 84.70): VV009045.D (-436) (-)

Ion 49.00 (48.70 to 49.70): VV009045.D (-436) (-)

Ion 86.00 (85.70 to 86.70): VV009045.D (-436) (-)

8000

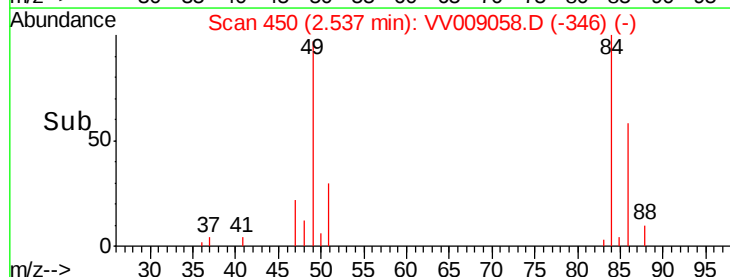
6000

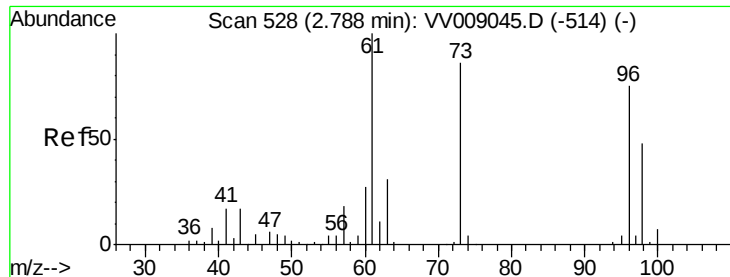
4000

2000

0

Time-->

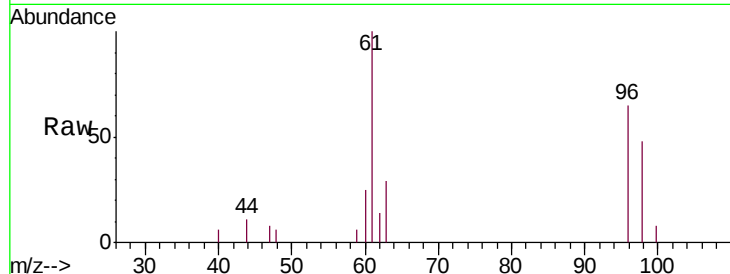




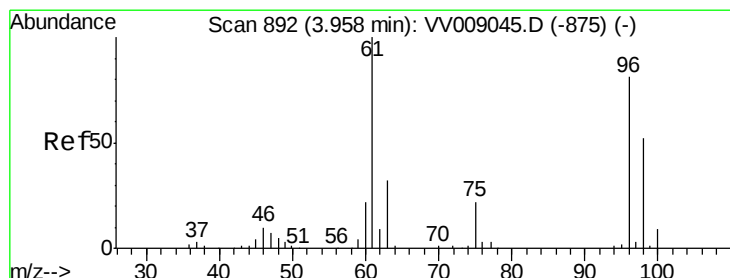
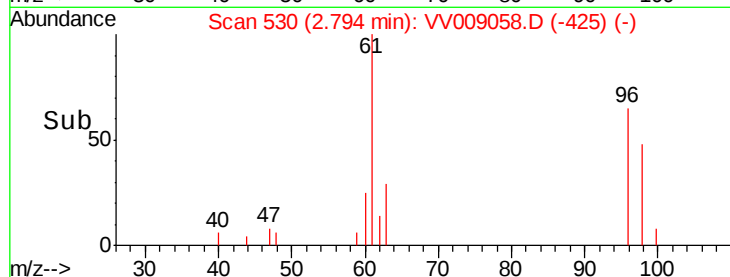
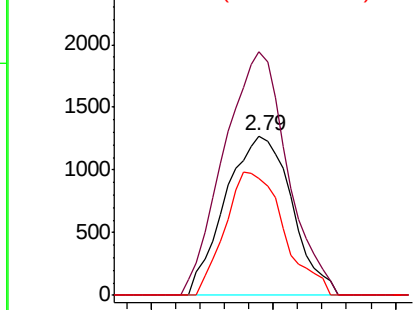
#18
trans-1,2-Dichloroethene
Concen: 0.677 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.01 min
Lab File: VV009058.D
Acq: 19 Dec 2018 18:22

Instrument :
MSVOA_V
ClientSampled :
C0JG5

Tgt Ion: 96 Resp: 2406
Ion Ratio Lower Upper
96 100
61 152.9 94.6 175.8
98 73.4 45.3 84.1

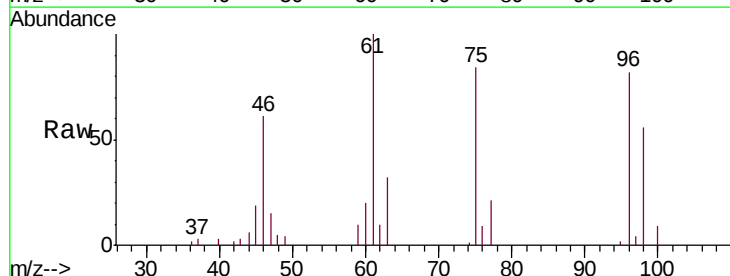


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

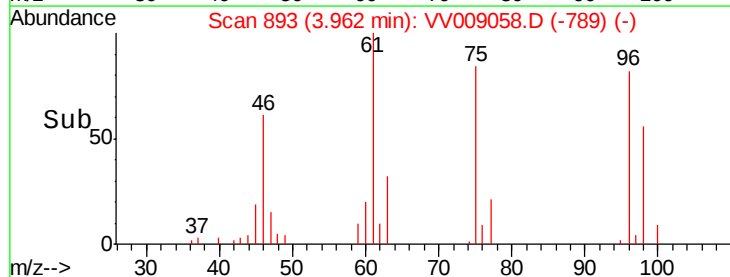
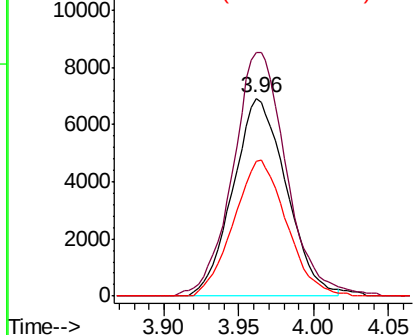


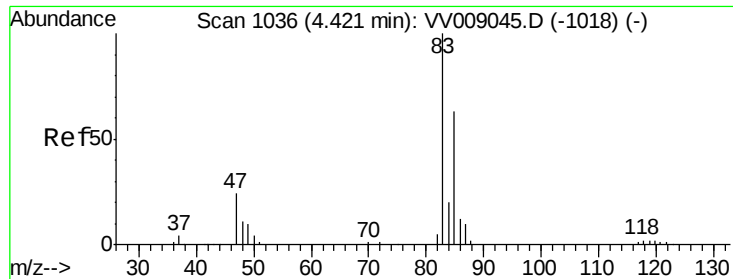
#22
cis-1,2-Dichloroethene
Concen: 4.632 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.00 min
Lab File: VV009058.D
Acq: 19 Dec 2018 18:22

Tgt Ion: 96 Resp: 17157
Ion Ratio Lower Upper
96 100
61 122.7 86.2 160.0
98 68.2 45.6 84.6



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

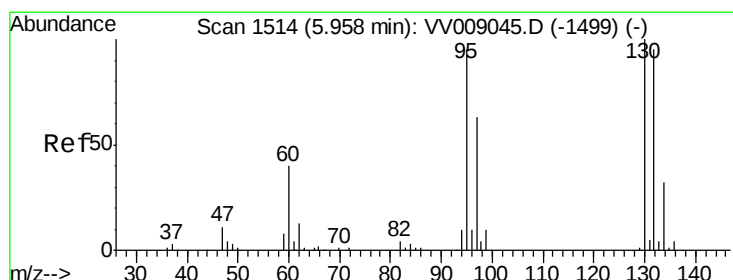
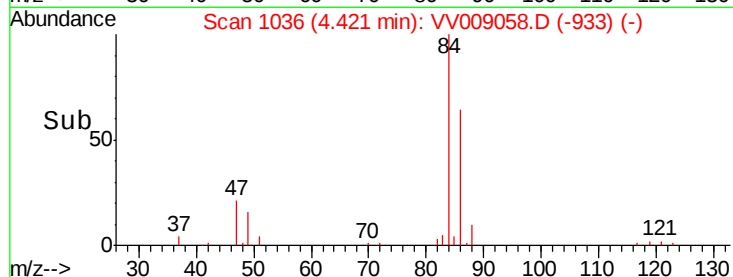
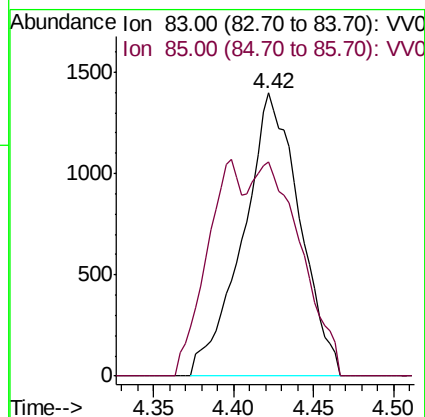
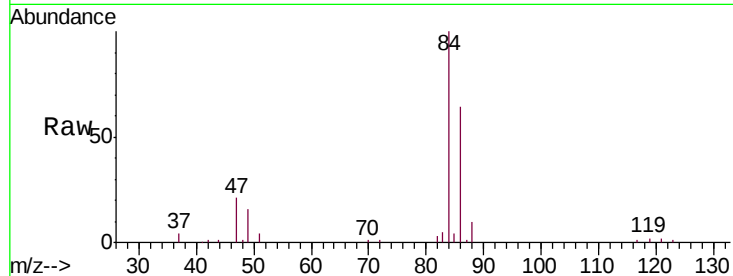




#25
Chloroform
Concen: 0.551 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV009058.D
Acq: 19 Dec 2018 18:22

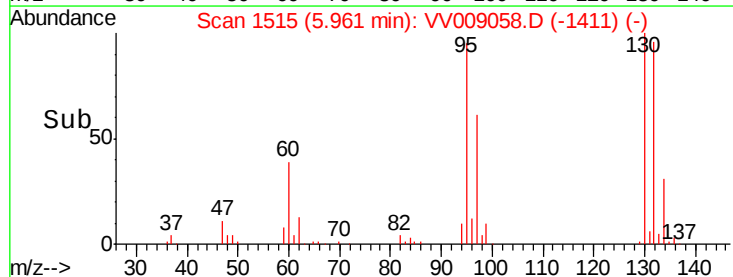
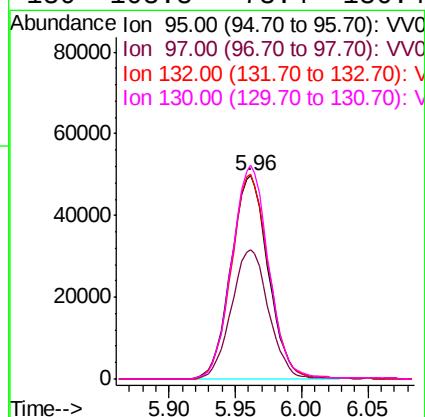
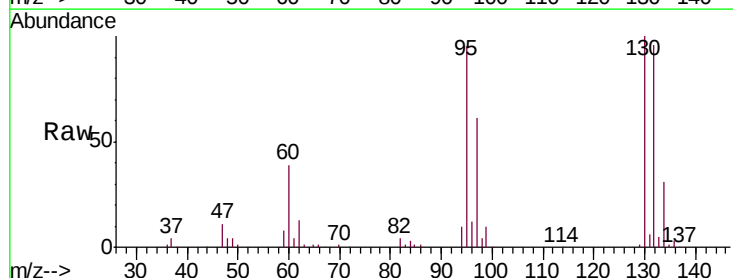
Instrument :
MSVOA_V
ClientSampleId :
C0JG5

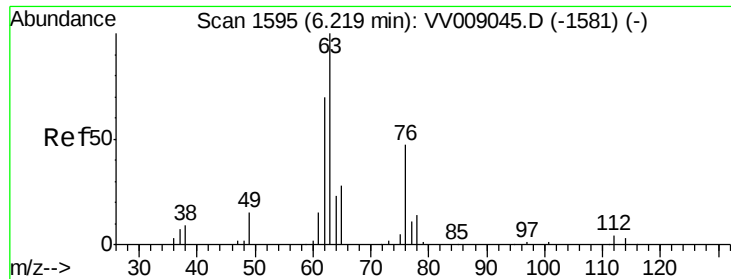
Tgt Ion: 83 Resp: 3404
Ion Ratio Lower Upper
83 100
85 47.4 45.6 84.8



#35
Trichloroethene
Concen: 27.938 ug/L
RT: 5.96 min Scan# 1515
Delta R.T. 0.00 min
Lab File: VV009058.D
Acq: 19 Dec 2018 18:22

Tgt Ion: 95 Resp: 97338
Ion Ratio Lower Upper
95 100
97 63.5 45.3 84.1
132 100.1 70.0 130.0
130 103.8 73.4 136.4

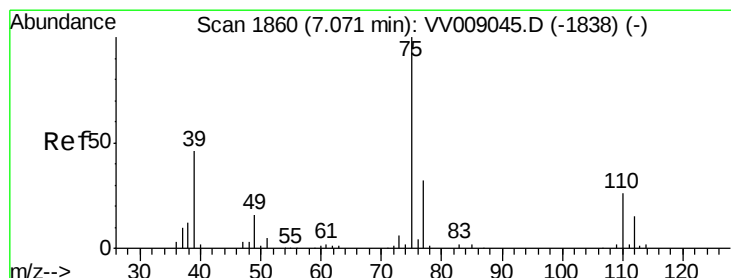
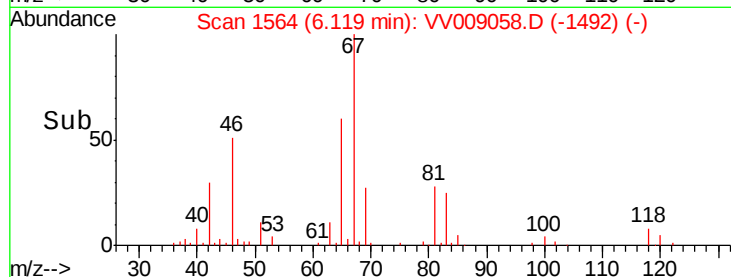
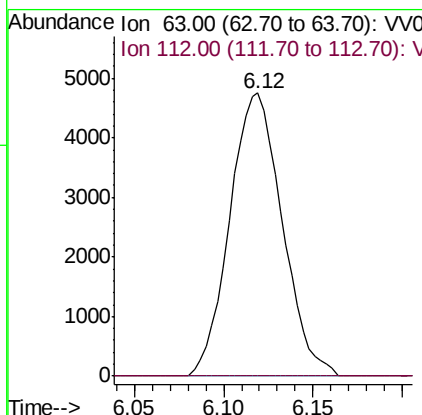
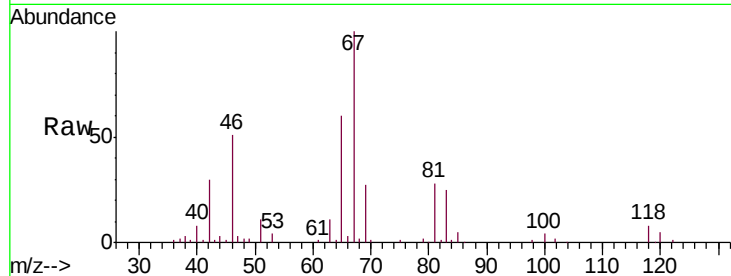




#40
 1,2-Dichloropropane
 Concen: 3.502 ug/L
 RT: 6.12 min Scan# 1564
 Delta R.T. -0.10 min
 Lab File: VV009058.D
 Acq: 19 Dec 2018 18:22

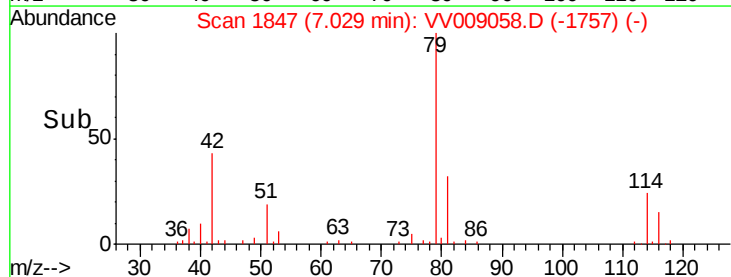
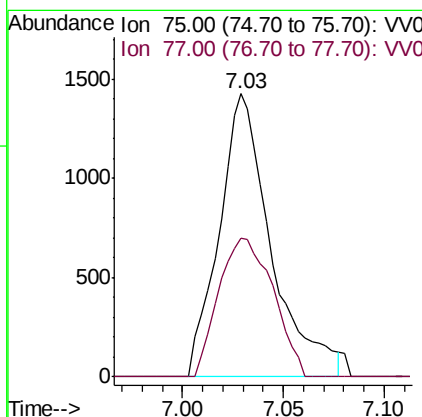
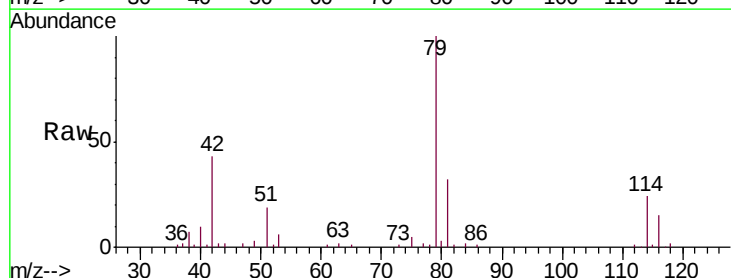
Instrument :
 MSVOA_V
 ClientSampled :
 C0JG5

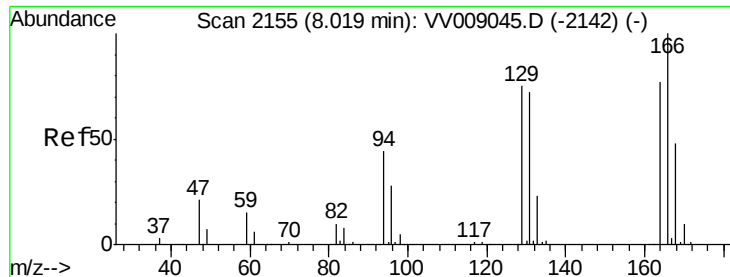
Tgt Ion: 63 Resp: 9713
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.8 5.8#



#42
 cis-1,3-Dichloropropene
 Concen: 0.629 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.04 min
 Lab File: VV009058.D
 Acq: 19 Dec 2018 18:22

Tgt Ion: 75 Resp: 2555
 Ion Ratio Lower Upper
 75 100
 77 49.2 21.3 39.6#





#47

Tetrachloroethene

Concen: 1.436 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.00 min

Lab File: VV009058.D

Acq: 19 Dec 2018 18:22

Instrument :

MSVOA_V

ClientSampleId :

C0JG5

Tgt Ion:164 Resp: 4068

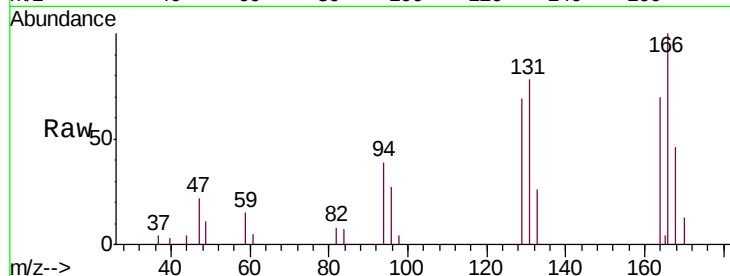
Ion Ratio Lower Upper

164 100

129 98.7 64.6 120.0

131 111.2 64.5 119.7

166 143.3 88.7 164.7

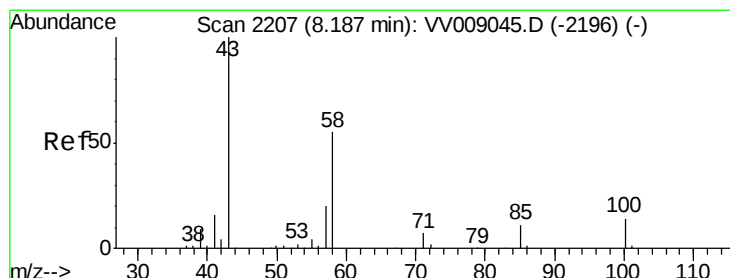
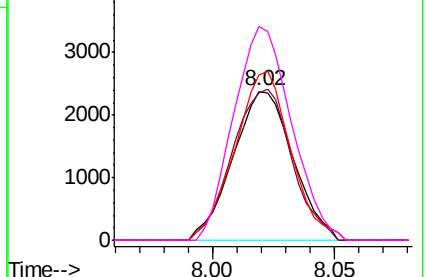
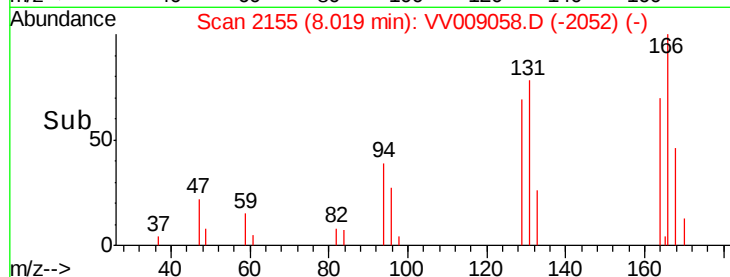


Abundance Ion 164.00 (163.70 to 164.70): V

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



#49

2-Hexanone

Concen: 2.066 ug/L

RT: 8.19 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VV009058.D

Acq: 19 Dec 2018 18:22

Tgt Ion: 43 Resp: 3205

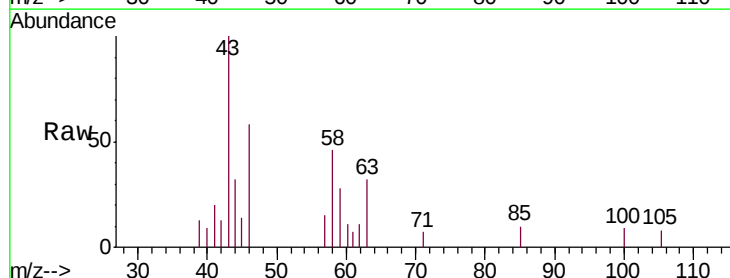
Ion Ratio Lower Upper

43 100

58 37.3 43.9 65.9#

57 3.2 15.7 23.5#

100 2.6 11.0 16.4#

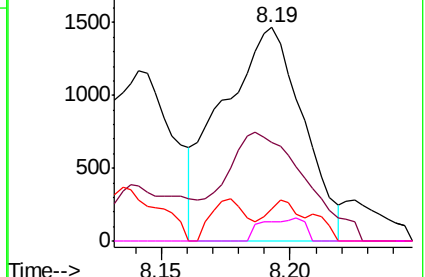
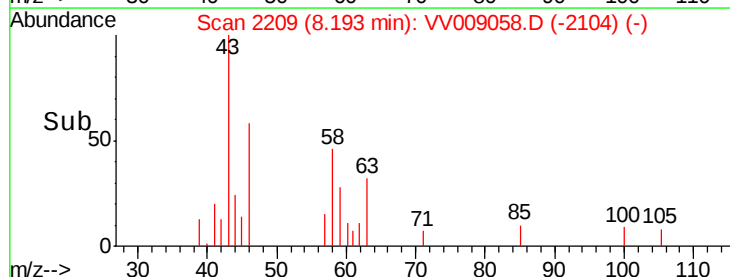


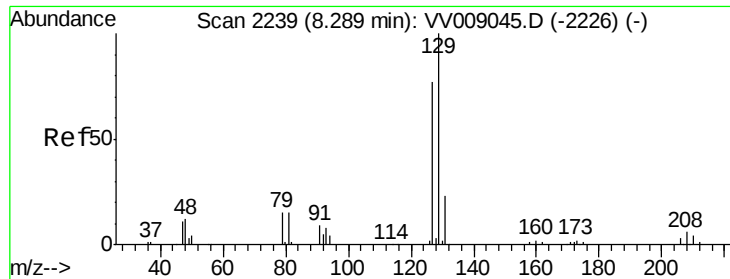
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0

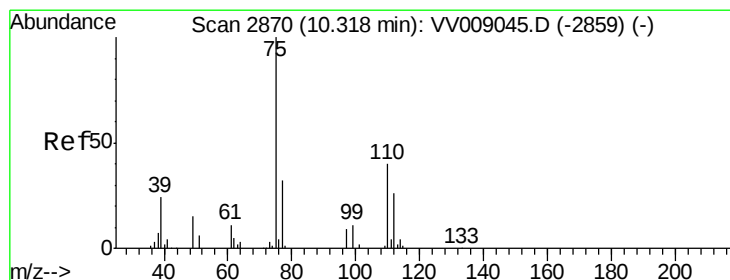
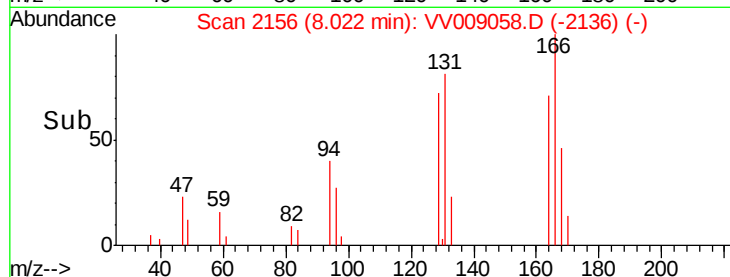
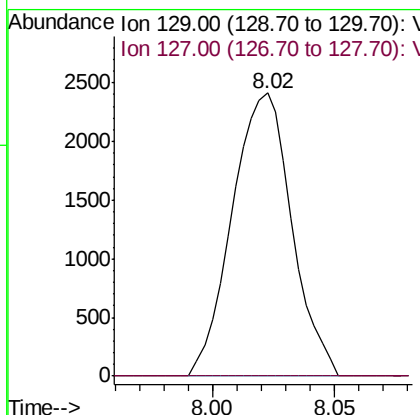
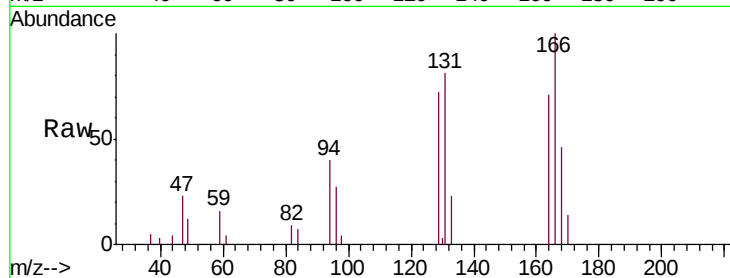




#50
 Dibromochloromethane
 Concen: 1.544 ug/L
 RT: 8.02 min Scan# 2156
 Delta R.T. -0.27 min
 Lab File: VV009058.D
 Acq: 19 Dec 2018 18:22

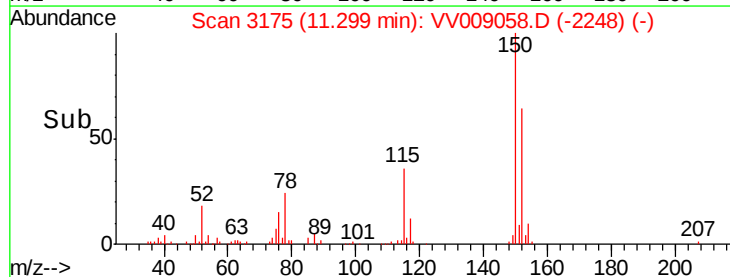
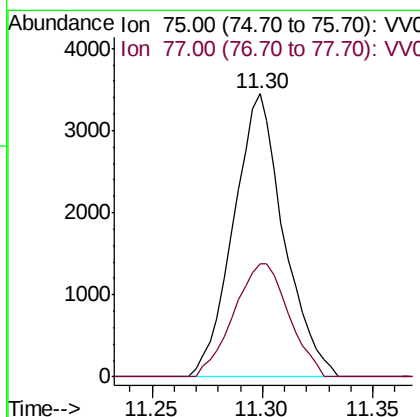
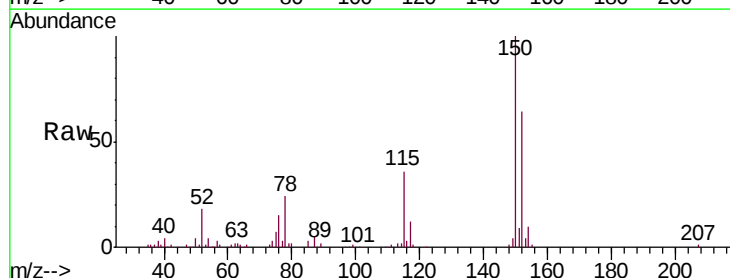
Instrument :
 MSVOA_V
 ClientSampleId :
 C0JG5

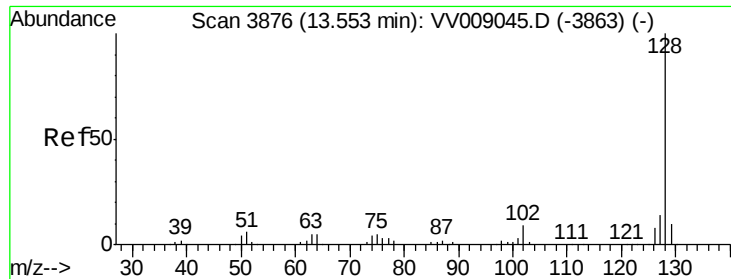
Tgt Ion: 129 Resp: 4089
 Ion Ratio Lower Upper
 129 100
 127 0.0 53.5 99.3#



#59
 1,2,3-Trichloropropane
 Concen: 2.525 ug/L
 RT: 11.30 min Scan# 3175
 Delta R.T. 0.98 min
 Lab File: VV009058.D
 Acq: 19 Dec 2018 18:22

Tgt Ion: 75 Resp: 5458
 Ion Ratio Lower Upper
 75 100
 77 43.7 25.6 38.4#





#69

Naphthalene

Concen: 0.349 ug/L

RT: 13.56 min Scan# 3879

Delta R.T. 0.01 min

Lab File: VV009058.D

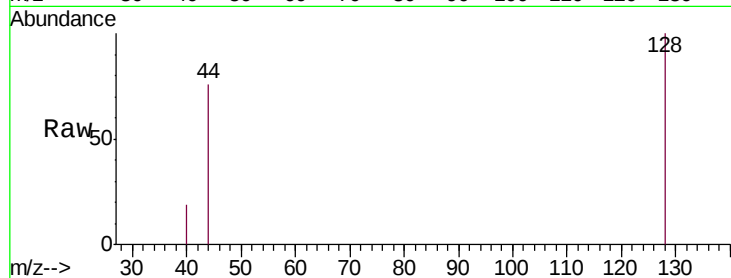
Acq: 19 Dec 2018 18:22

Instrument :

MSVOA_V

ClientSampleId :

C0JG5



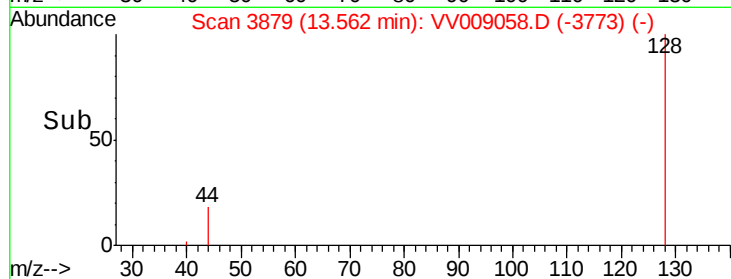
Tgt Ion:128 Resp: 1050

Ion Ratio Lower Upper

128 100

129 0.0 8.6 13.0#

127 6.3 10.0 15.0#



Abundance Ion 128.00 (127.70 to 128.70): V

800 Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

