

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091318\
 Data File : VV007520.D
 Acq On : 13 Sep 2018 20:10
 Operator : SY/MD
 Sample : VV0913WBL02
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 14 05:10:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091318WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Sep 14 05:10:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	131203	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	115639	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	59938	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	32398	4.73	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.60%
7) Chloroethane-d5	1.59	69	27514	4.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.80%
11) 1,1-Dichloroethene-d2	2.13	63	54191	3.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.00%
20) 2-Butanone-d5	3.97	46	38259	40.02	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	80.04%
24) Chloroform-d	4.41	84	67091	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
26) 1,2-Dichloroethane-d4	5.09	65	34139	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.00%
32) Benzene-d6	5.10	84	135321	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.20%
36) 1,2-Dichloropropane-d6	6.13	67	39844	5.09	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.80%
41) Toluene-d8	7.36	98	137090	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.40%
43) trans-1,3-Dichloropropene-	7.67	79	17059	4.72	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	94.40%
46) 2-Hexanone-d5	8.15	63	22579	39.09	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	78.18%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	24545	4.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.80%
64) 1,2-Dichlorobenzene-d4	11.68	152	54287	4.95	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.00%

Target Compounds

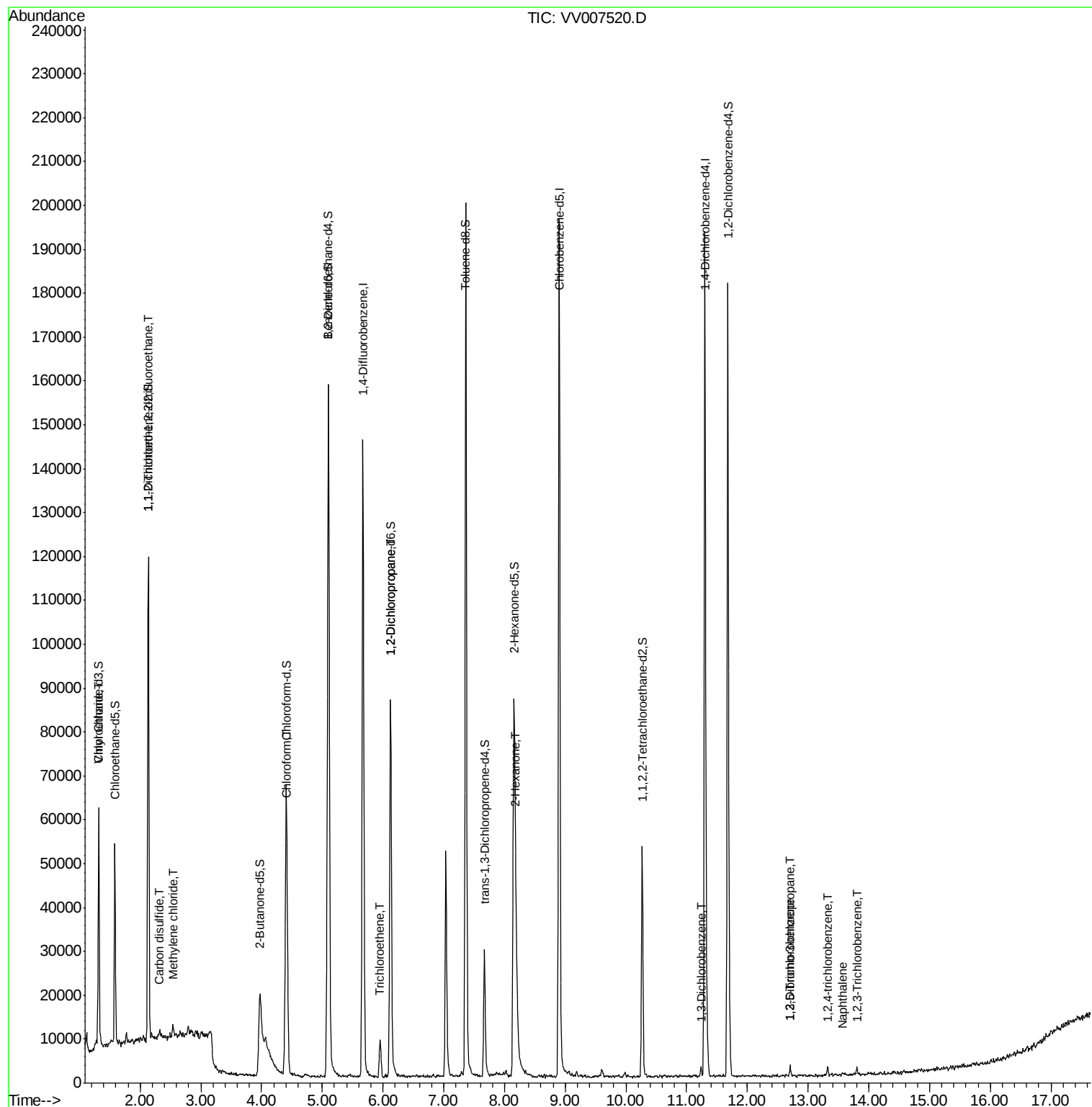
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.32	64	519	0.124	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	660	0.089	ug/L #	58
14) Carbon disulfide	2.32	76	1982	0.102	ug/L #	77
16) Methylene chloride	2.54	84	1510	0.210	ug/L	97
25) Chloroform	4.43	83	1593	0.132	ug/L	94
34) Trichloroethene	5.96	95	611	0.083	ug/L	77
37) 1,2-Dichloropropane	6.13	63	4886	0.830	ug/L #	85
48) 2-Hexanone	8.19	43	15974	6.476	ug/L #	62
62) 1,3-Dichlorobenzene	11.23	146	1025	0.068	ug/L #	80
66) 1,2-Dibromo-3-chloropropan	12.71	75	66	0.091	ug/L #	1
67) 1,3,5-Trichlorobenzene	12.71	180	992	0.084	ug/L #	84
68) 1,2,4-trichlorobenzene	13.32	180	873	0.103	ug/L #	95
69) Naphthalene	13.56	128	1073	0.104	ug/L #	69
70) 1,2,3-Trichlorobenzene	13.81	180	760	0.098	ug/L #	91

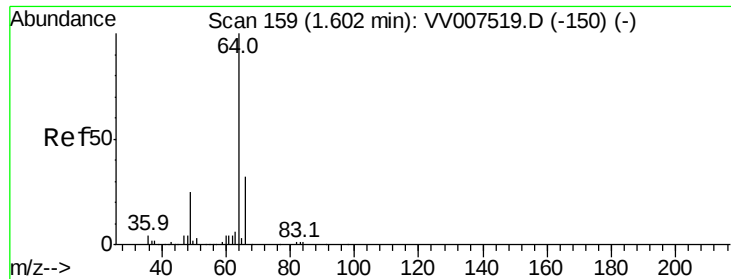
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Sep 14 05:10:24 2018
Response via : Initial Calibration





#8

Chloroethane

Concen: 0.124 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.28 min

Lab File: VV007520.D

Acq: 13 Sep 2018 20:10

Instrument :

MSVOA_V

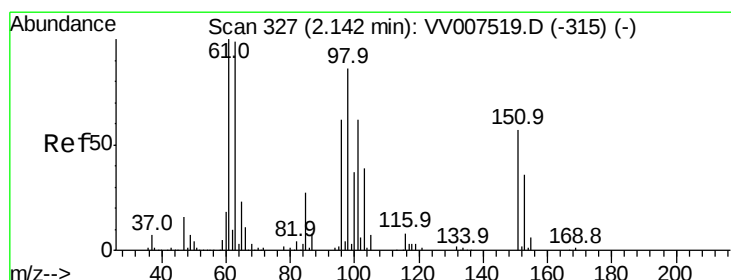
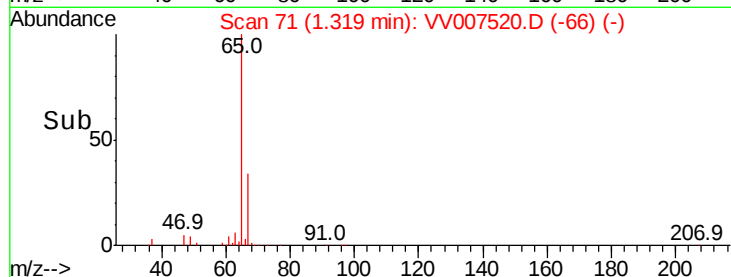
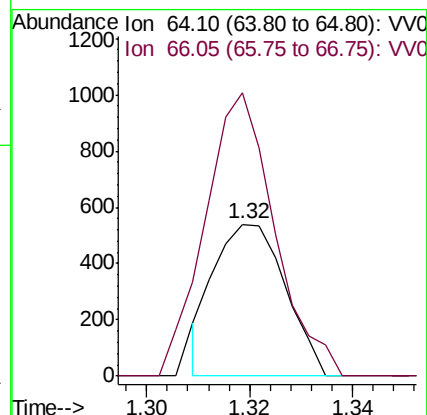
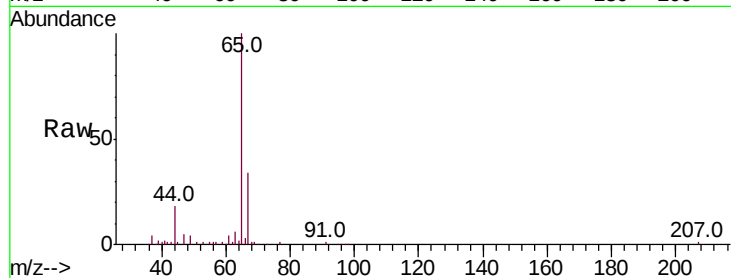
ClientSampleId :

Tot Ion: 64 Resp: 519

Ion Ratio Lower Upper

64 100

66 186.3 24.3 45.1#



#10

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

Concen: 0.089 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.01 min

Lab File: VV007520.D

Acq: 13 Sep 2018 20:10

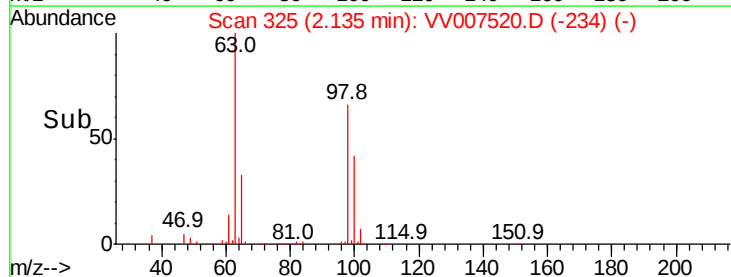
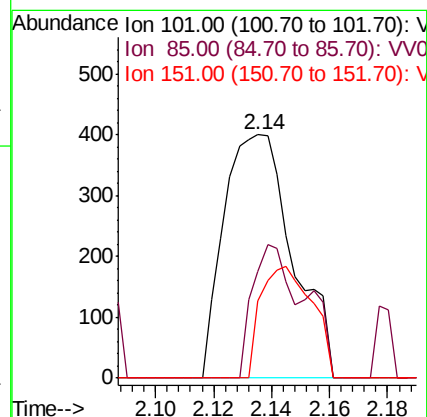
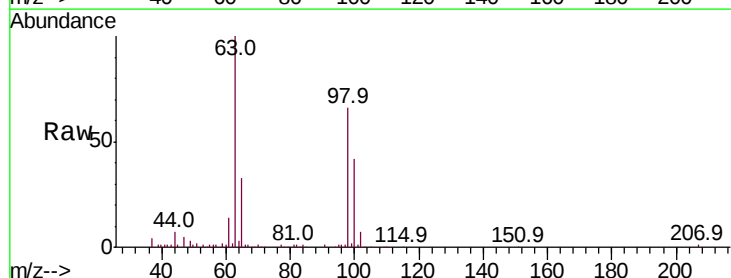
Tgt Ion: 101 Resp: 660

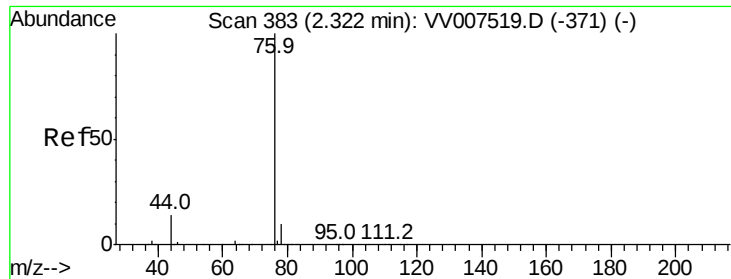
Ion Ratio Lower Upper

101 100

85 41.4 34.8 52.2

151 34.1 72.6 109.0#





#14

Carbon disulfide

Concen: 0.102 ug/L

RT: 2.32 min Scan# 383

Delta R.T. -0.00 min

Lab File: VV007520.D

Acq: 13 Sep 2018 20:10

Instrument :

MSVOA_V

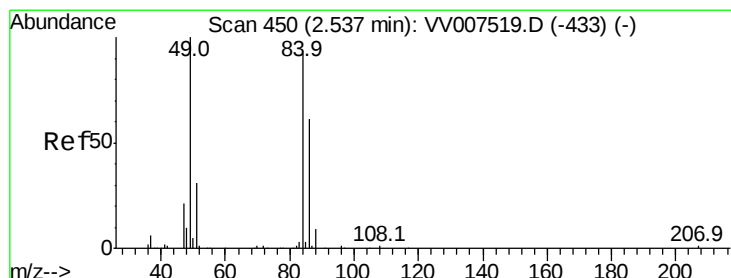
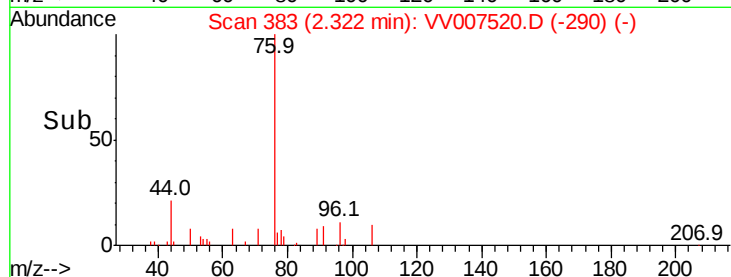
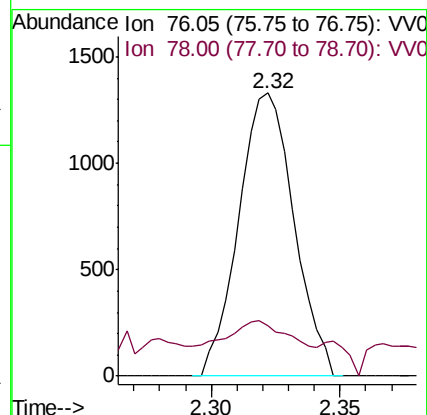
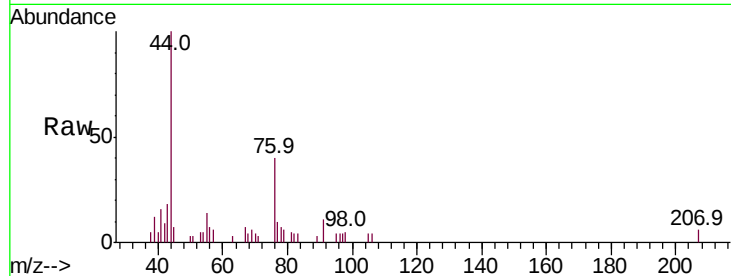
ClientSampleId :

Tot Ion: 76 Resp: 1982

Ion Ratio Lower Upper

76 100

78 17.7 7.4 11.0#



#16

Methylene chloride

Concen: 0.210 ug/L

RT: 2.54 min Scan# 451

Delta R.T. 0.00 min

Lab File: VV007520.D

Acq: 13 Sep 2018 20:10

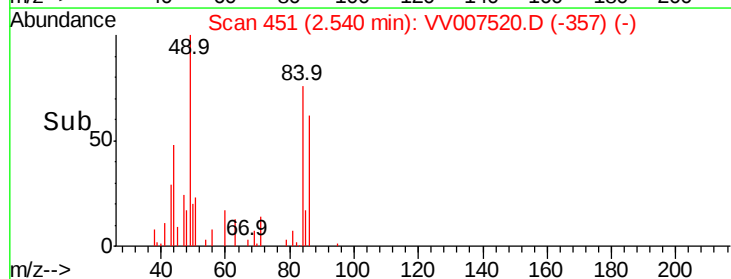
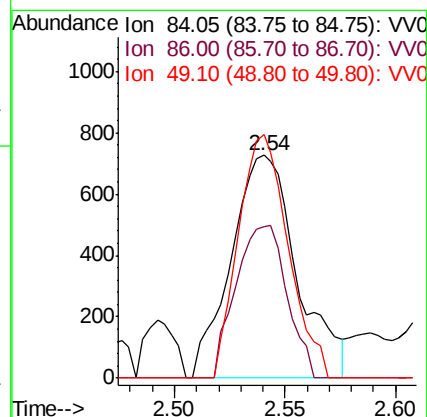
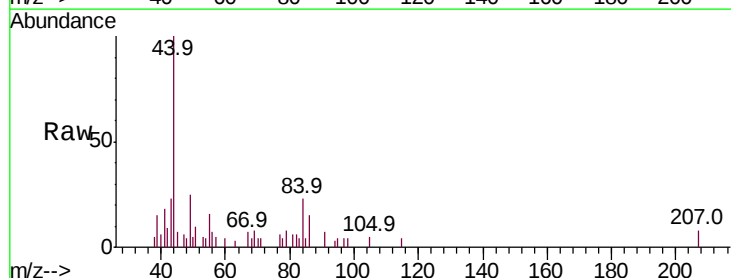
Tgt Ion: 84 Resp: 1510

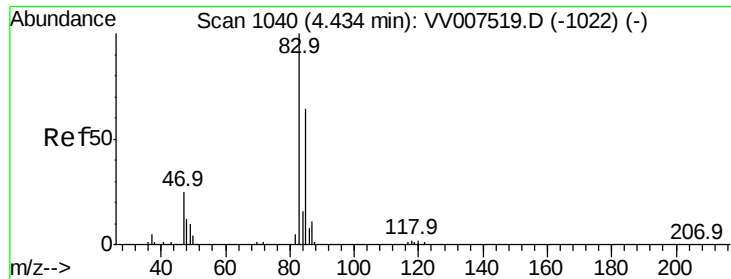
Ion Ratio Lower Upper

84 100

86 68.0 43.7 81.1

49 109.4 76.8 142.6

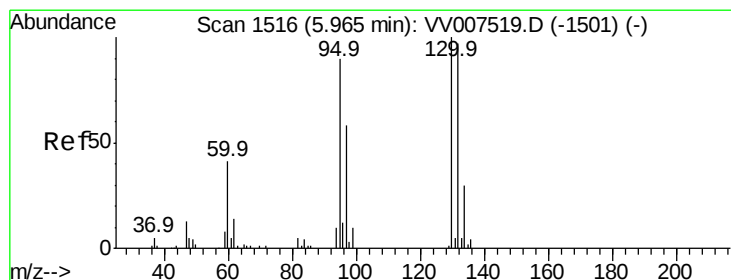
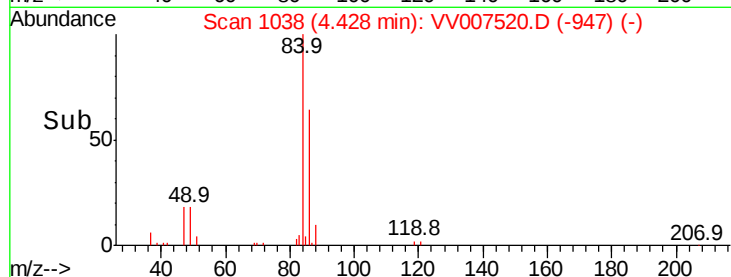
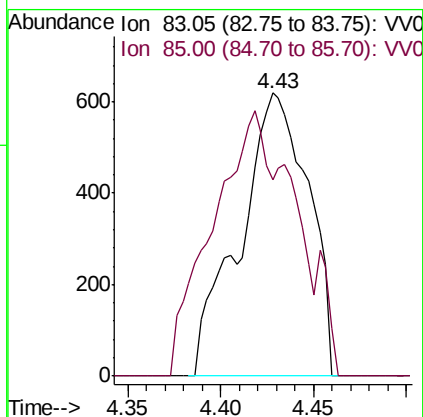
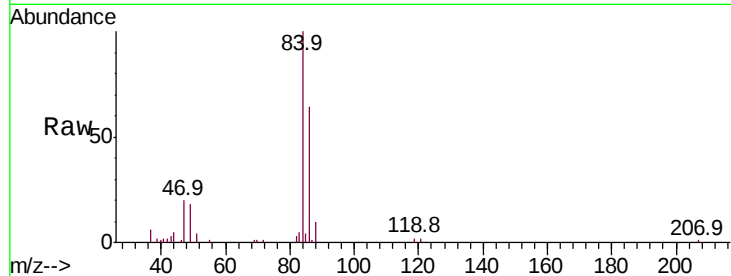




#25
Chloroform
Concen: 0.132 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. -0.01 min
Lab File: VV007520.D
Acq: 13 Sep 2018 20:10

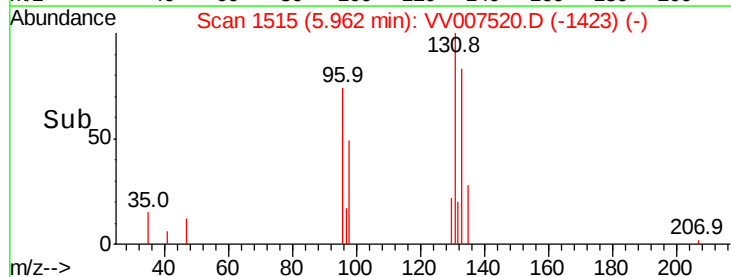
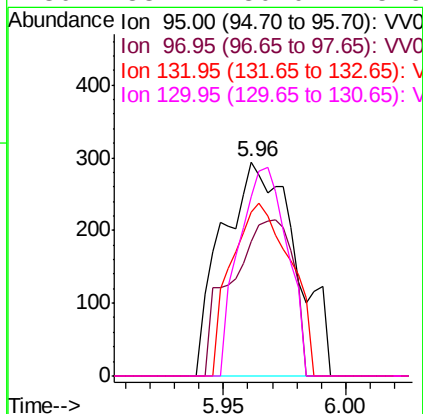
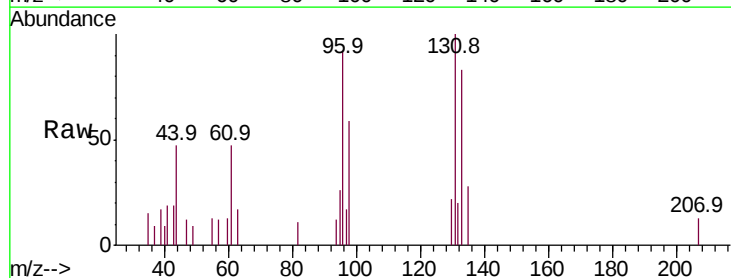
Instrument :
MSVOA_V
ClientSampleId :

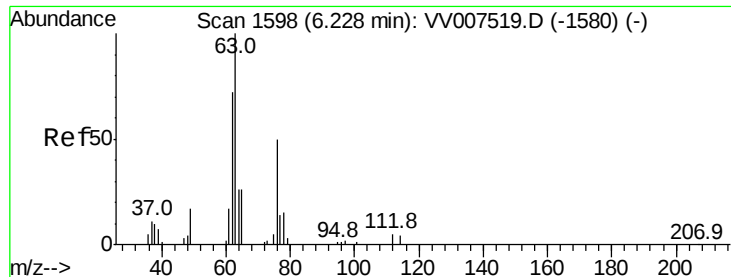
Tot Ion: 83 Resp: 1593
Ion Ratio Lower Upper
83 100
85 69.5 45.5 84.5



#34
Trichloroethene
Concen: 0.083 ug/L
RT: 5.96 min Scan# 1515
Delta R.T. -0.00 min
Lab File: VV007520.D
Acq: 13 Sep 2018 20:10

Tgt Ion: 95 Resp: 611
Ion Ratio Lower Upper
95 100
97 62.9 45.5 84.5
132 76.9 74.9 139.1
130 83.7 80.0 148.6





#37

1,2-Dichloropropane

Concen: 0.830 ug/L

RT: 6.13 min Scan# 1566

Delta R.T. -0.10 min

Lab File: VV007520.D

Acq: 13 Sep 2018 20:10

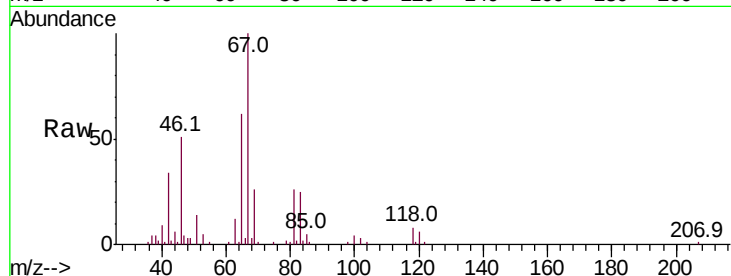
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 63 Resp: 4886

Ion Ratio Lower Upper

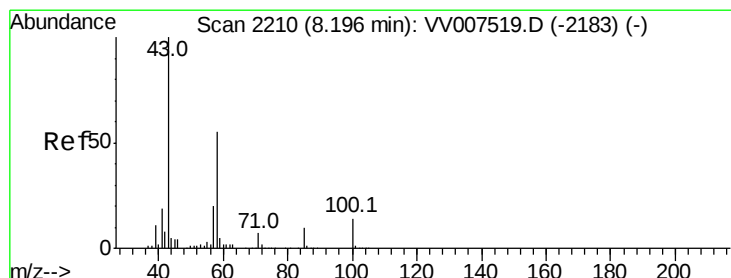
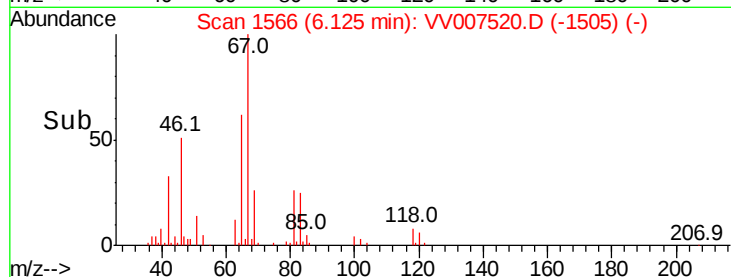
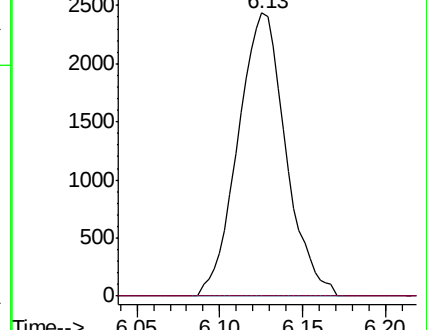
63 100

112 0.0 4.1 6.1#



Abundance Ion 63.10 (62.80 to 63.80): VV007519.D (-1580) (-)

Ion 112.10 (111.80 to 112.80): VV007519.D (-1580) (-)



#48

2-Hexanone

Concen: 6.476 ug/L

RT: 8.19 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VV007520.D

Acq: 13 Sep 2018 20:10

Tgt Ion: 43 Resp: 15974

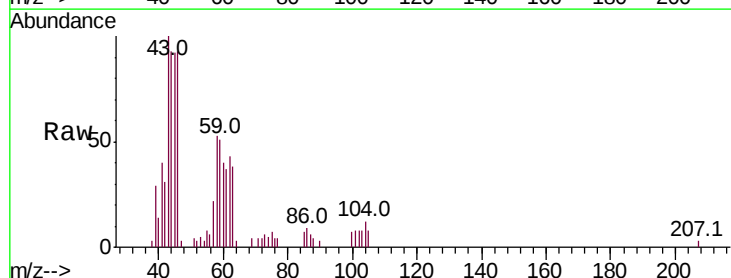
Ion Ratio Lower Upper

43 100

58 21.6 49.8 74.6#

57 26.7 18.2 27.4

100 5.1 11.0 16.4#

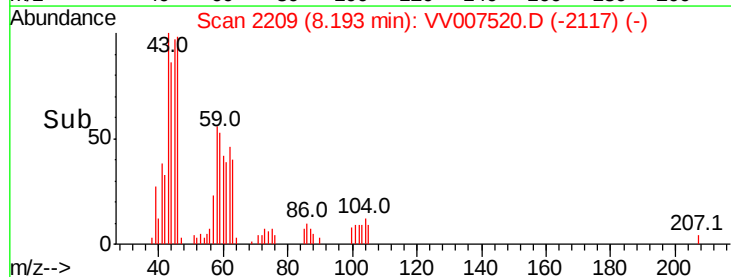
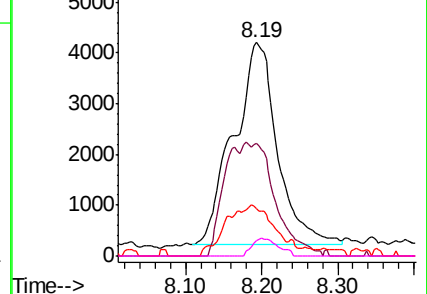


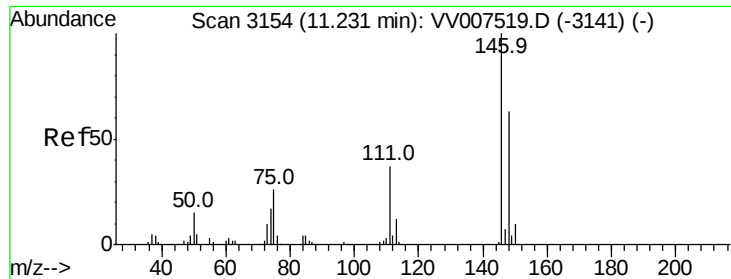
Abundance Ion 43.05 (42.75 to 43.75): VV007519.D (-2183) (-)

Ion 58.05 (57.75 to 58.75): VV007519.D (-2183) (-)

Ion 57.20 (56.90 to 57.90): VV007519.D (-2183) (-)

Ion 100.15 (99.85 to 100.85): VV007519.D (-2183) (-)

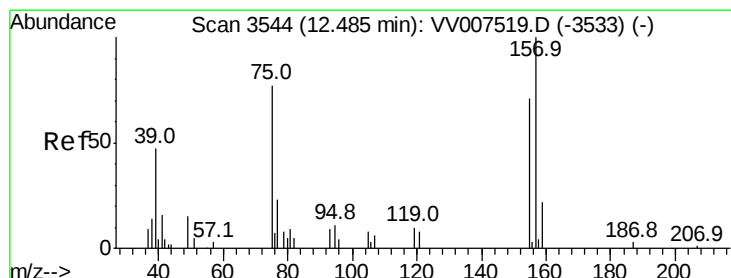
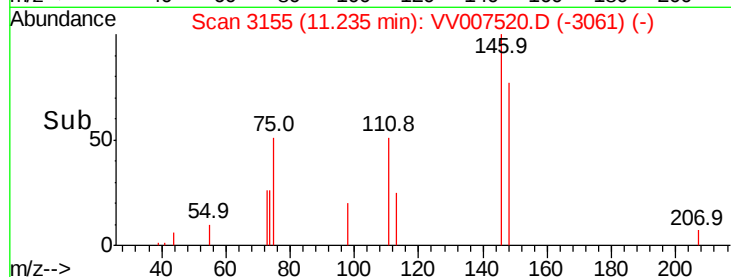
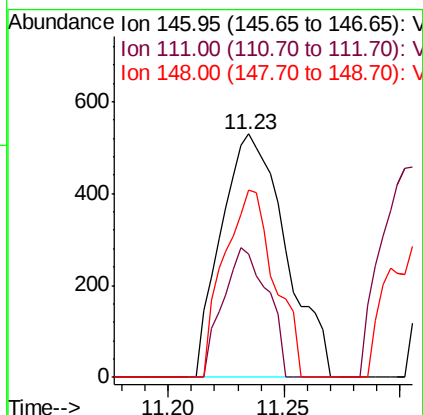
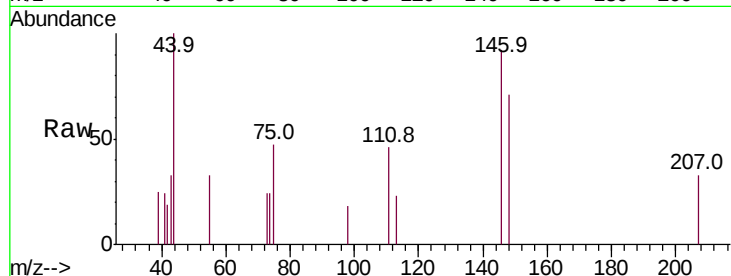




#62
 1,3-Dichlorobenzene
 Concen: 0.068 ug/L
 RT: 11.23 min Scan# 3155
 Delta R.T. 0.00 min
 Lab File: VV007520.D
 Acq: 13 Sep 2018 20:10

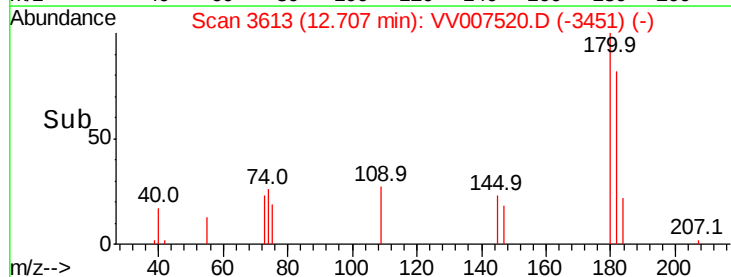
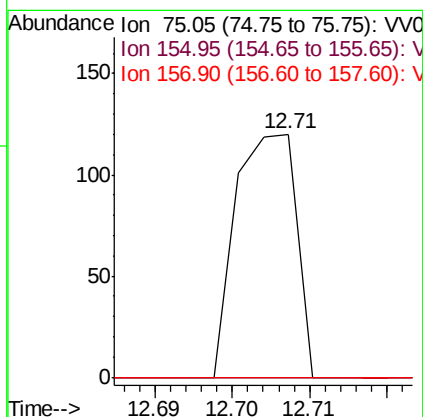
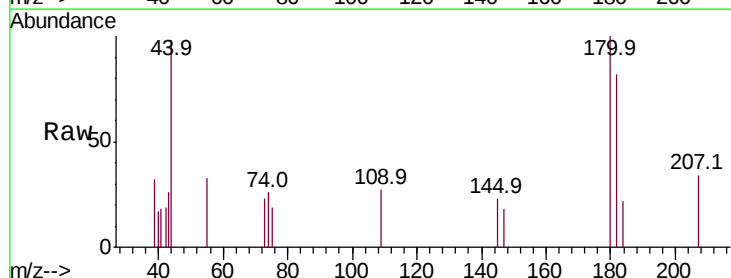
Instrument :
 MSVOA_V
 ClientSampled :

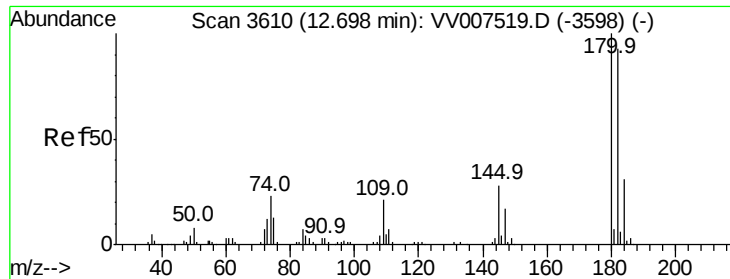
Tot Ion:146 Resp: 1025
 Ion Ratio Lower Upper
 146 100
 111 50.6 25.3 47.1#
 148 76.8 44.6 82.8



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.091 ug/L
 RT: 12.71 min Scan# 3613
 Delta R.T. 0.22 min
 Lab File: VV007520.D
 Acq: 13 Sep 2018 20:10

Tgt Ion: 75 Resp: 66
 Ion Ratio Lower Upper
 75 100
 155 0.0 74.6 111.8#
 157 0.0 97.4 146.2#

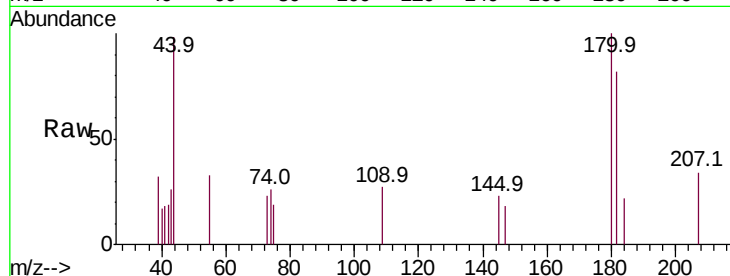




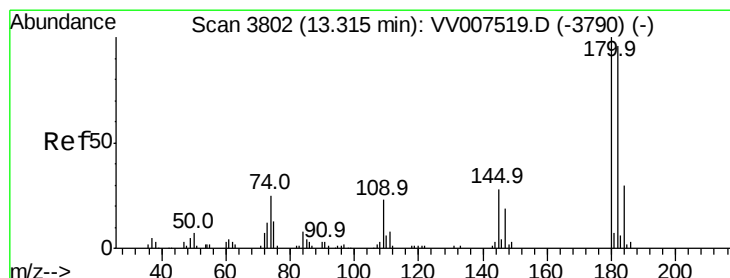
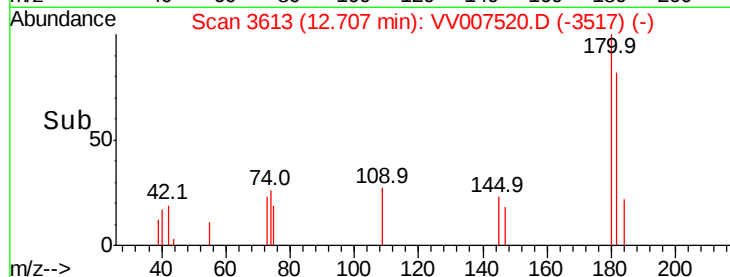
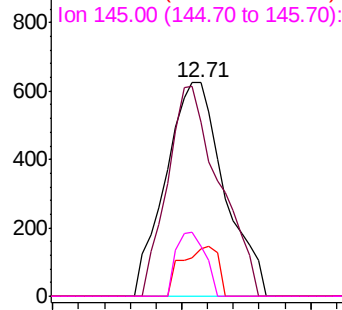
#67
 1,3,5-Trichlorobenzene
 Concen: 0.084 ug/L
 RT: 12.71 min Scan# 3613
 Delta R.T. 0.01 min
 Lab File: VV007520.D
 Acq: 13 Sep 2018 20:10

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 992
 Ion Ratio Lower Upper
 180 100
 182 87.0 76.1 114.1
 184 14.2 24.0 36.0#
 145 14.7 22.6 34.0#

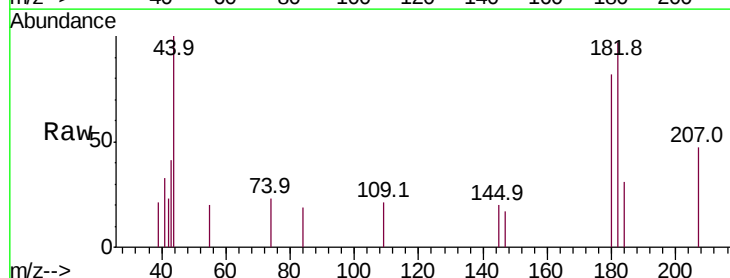


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

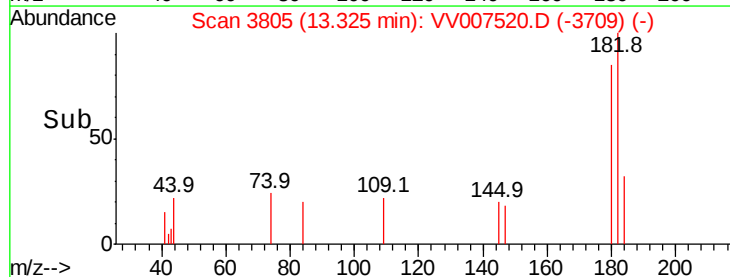
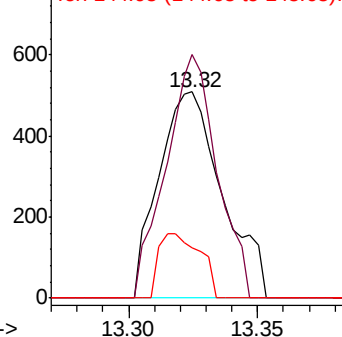


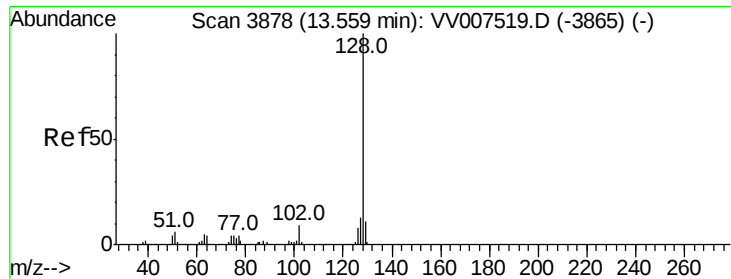
#68
 1,2,4-trichlorobenzene
 Concen: 0.103 ug/L
 RT: 13.32 min Scan# 3805
 Delta R.T. 0.01 min
 Lab File: VV007520.D
 Acq: 13 Sep 2018 20:10

Tgt Ion:180 Resp: 873
 Ion Ratio Lower Upper
 180 100
 182 95.1 77.8 116.8
 145 20.3 22.5 33.7#



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 0.104 ug/L

RT: 13.56 min Scan# 3879

Delta R.T. 0.00 min

Lab File: VV007520.D

Acq: 13 Sep 2018 20:10

Instrument :

MSVOA_V

ClientSampleId :

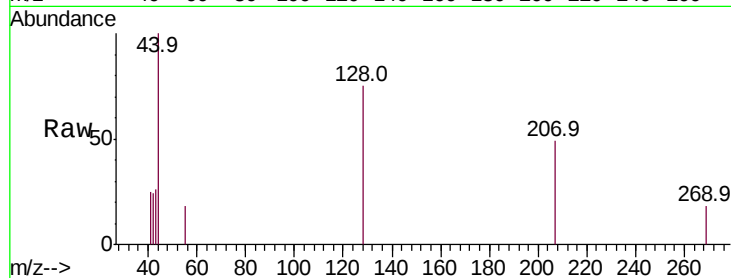
Tot Ion:128 Resp: 1073

Ion Ratio Lower Upper

128 100

129 0.0 8.5 12.7#

127 0.0 10.5 15.7#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

13.56

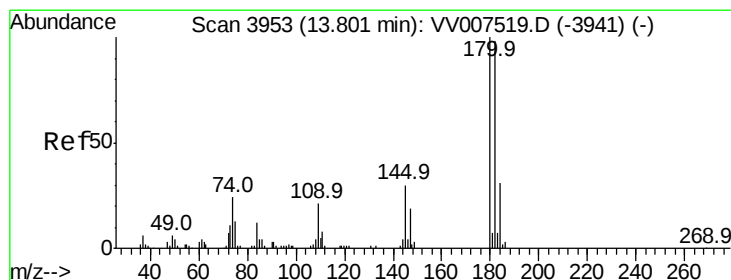
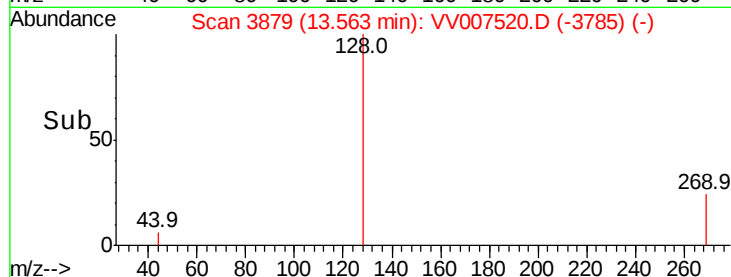
400

200

0

13.55 13.60

Time-->



#70

1,2,3-Trichlorobenzene

Concen: 0.098 ug/L

RT: 13.81 min Scan# 3955

Delta R.T. 0.01 min

Lab File: VV007520.D

Acq: 13 Sep 2018 20:10

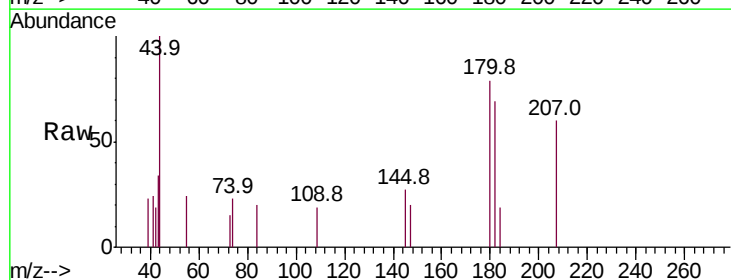
Tgt Ion:180 Resp: 760

Ion Ratio Lower Upper

180 100

182 102.0 75.5 113.3

145 23.3 23.4 35.0#



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

13.81

400

200

0

13.80

Time-->

