

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100118\
 Data File : VV008004.D
 Acq On : 01 Oct 2018 19:37
 Operator : SY/MD
 Sample : J5091-07DL 5X
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 E62T1DL

Quant Time: Oct 02 04:18:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR092718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 02 04:17:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	88531	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	83333	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	42110	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	24673	5.20	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	104.00%
7) Chloroethane-d5	1.59	69	20732	5.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.20%
11) 1,1-Dichloroethene-d2	2.14	63	38359	3.58	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	71.60%
20) 2-Butanone-d5	3.96	46	67005	46.94	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.88%
24) Chloroform-d	4.41	84	57436	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.20%
26) 1,2-Dichloroethane-d4	5.09	65	28908	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.20%
32) Benzene-d6	5.10	84	103864	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.40%
36) 1,2-Dichloropropane-d6	6.12	67	32426	5.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.80%
41) Toluene-d8	7.36	98	97168	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.00%
43) trans-1,3-Dichloropropene-	7.67	79	10972	4.52	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.40%
46) 2-Hexanone-d5	8.14	63	49006	45.72	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.44%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	22691	4.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.20%
64) 1,2-Dichlorobenzene-d4	11.68	152	41307	5.07	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.40%

Target Compounds

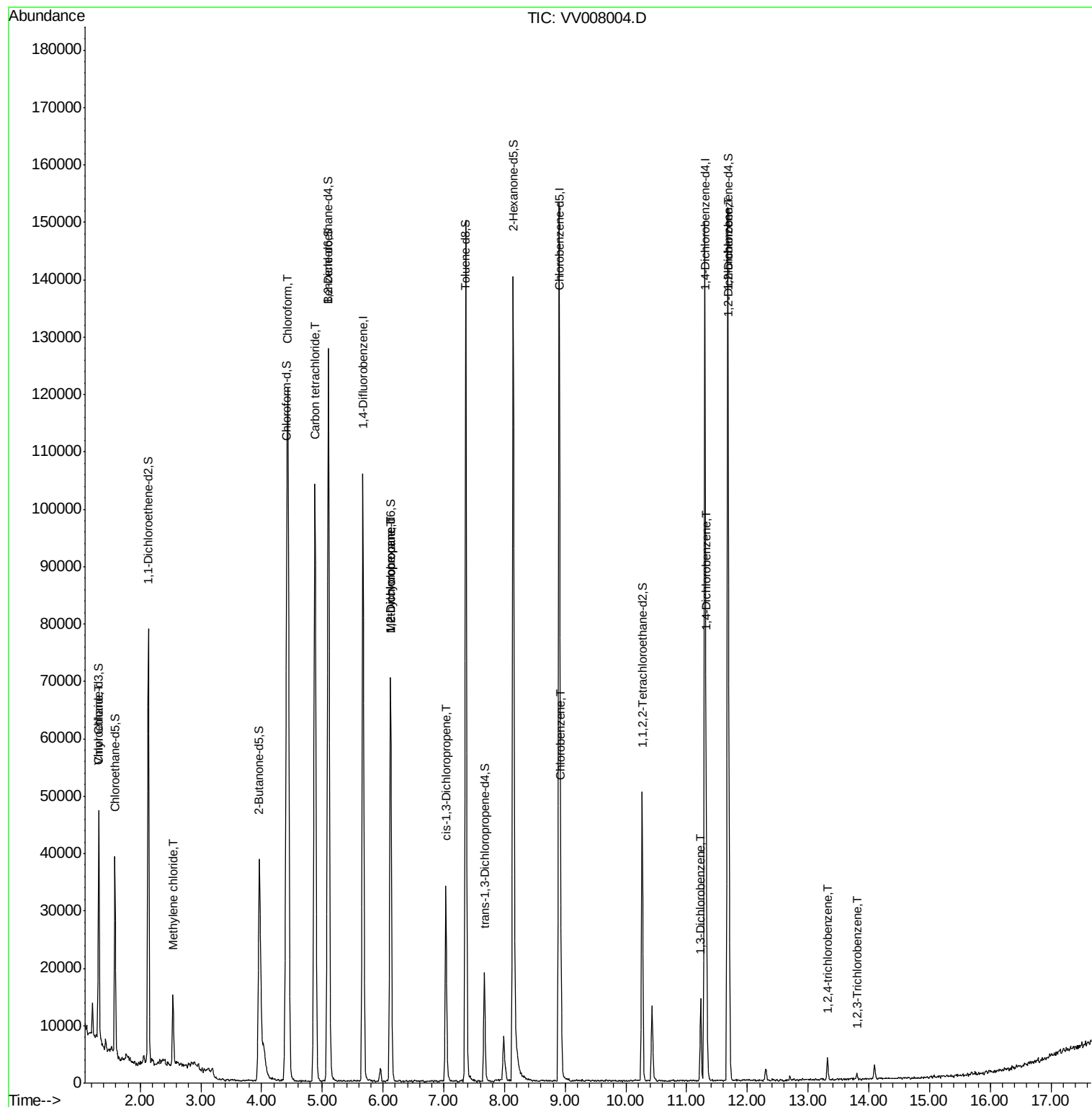
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.32	64	378	0.089	ug/L #	1
16) Methylene chloride	2.54	84	4906	0.754	ug/L	92
25) Chloroform	4.43	83	100507	8.443	ug/L	95
31) Carbon tetrachloride	4.88	117	76432	8.652	ug/L	100
35) Methylcyclohexane	6.12	83	7953	0.776	ug/L #	19
37) 1,2-Dichloropropane	6.12	63	3649	0.599	ug/L #	87
39) cis-1,3-Dichloropropene	7.03	75	780	0.096	ug/L #	60
51) Chlorobenzene	8.93	112	11042	0.615	ug/L	94
62) 1,3-Dichlorobenzene	11.23	146	6541	0.471	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	11249	0.778	ug/L	96
65) 1,2-Dichlorobenzene	11.69	146	13894	1.060	ug/L	97
68) 1,2,4-trichlorobenzene	13.32	180	1767	0.176	ug/L #	95
70) 1,2,3-Trichlorobenzene	13.80	180	541	0.059	ug/L	95

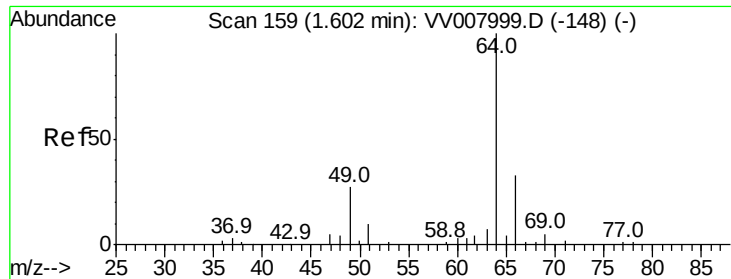
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 0.089 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.28 min

Lab File: VV008004.D

Acq: 01 Oct 2018 19:37

Instrument :

MSVOA_V

ClientSampled :

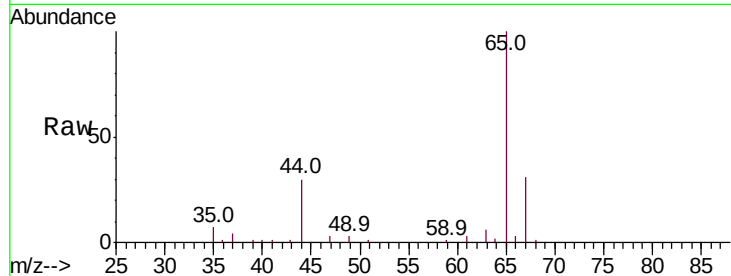
E62T1DL

Tot Ion: 64 Resp: 378

Ion Ratio Lower Upper

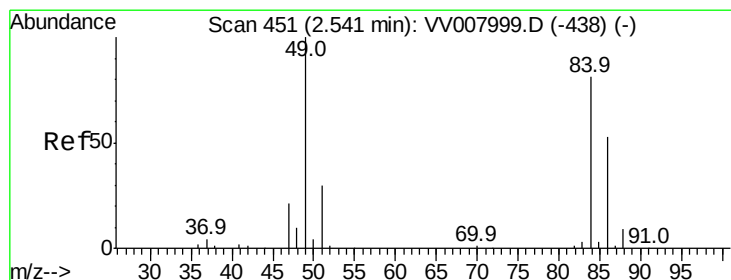
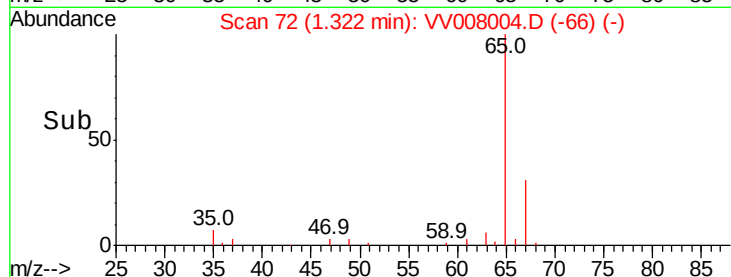
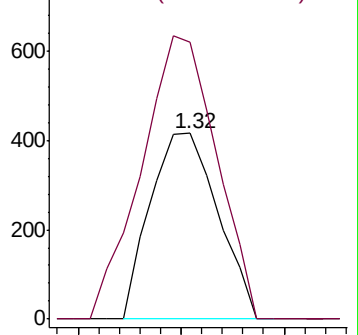
64 100

66 149.3 23.1 42.9#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0



#16

Methylene chloride

Concen: 0.754 ug/L

RT: 2.54 min Scan# 451

Delta R.T. -0.00 min

Lab File: VV008004.D

Acq: 01 Oct 2018 19:37

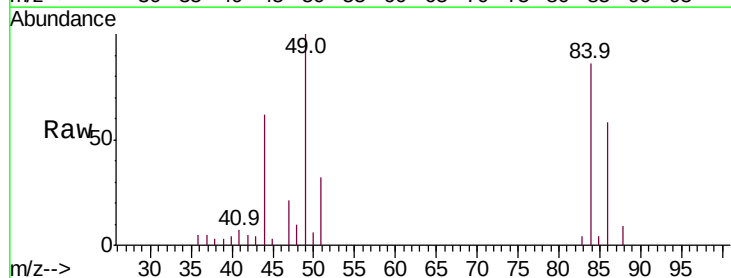
Tgt Ion: 84 Resp: 4906

Ion Ratio Lower Upper

84 100

86 66.9 47.3 87.8

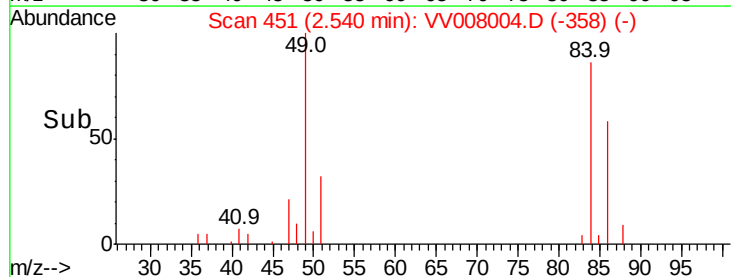
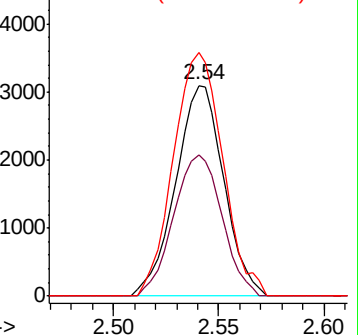
49 115.6 90.0 167.2

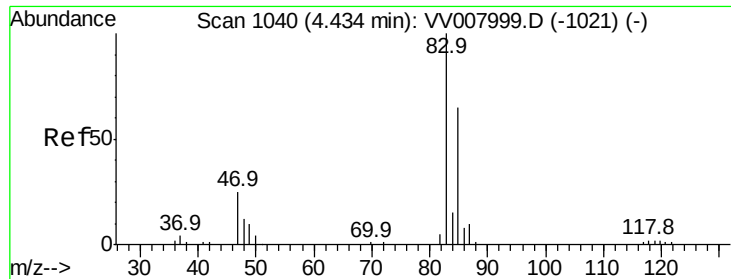


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

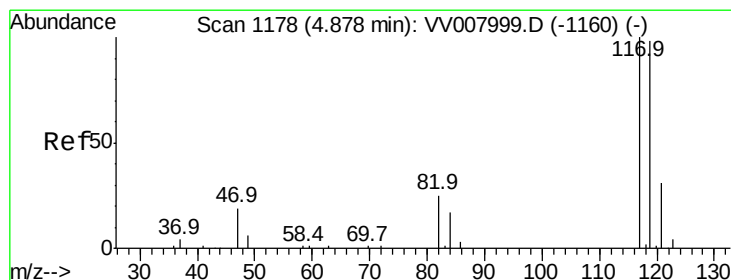
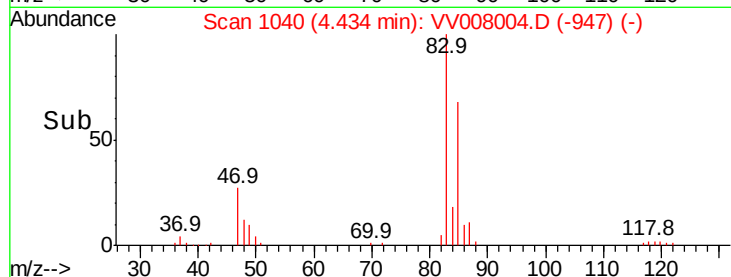
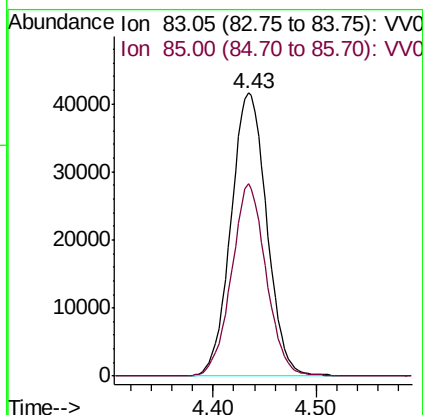
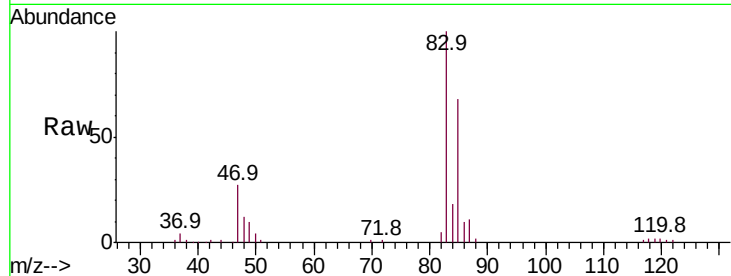




#25
Chloroform
Concen: 8.443 ug/L
RT: 4.43 min Scan# 1040
Delta R.T. -0.00 min
Lab File: VV008004.D
Acq: 01 Oct 2018 19:37

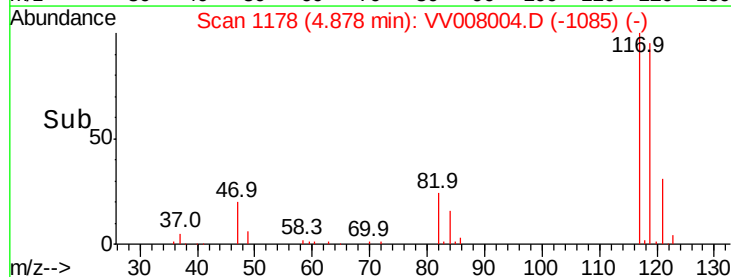
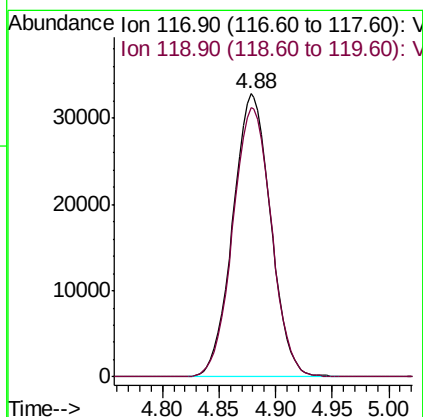
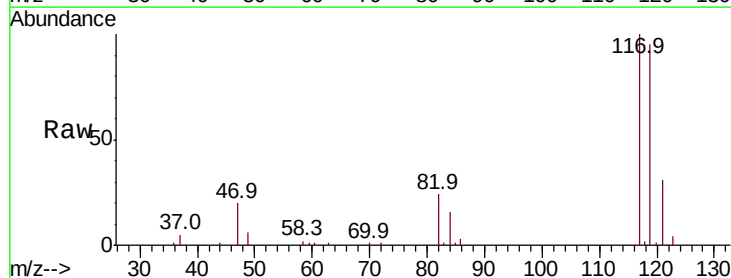
Instrument :
MSVOA_V
ClientSampleId :
E62T1DL

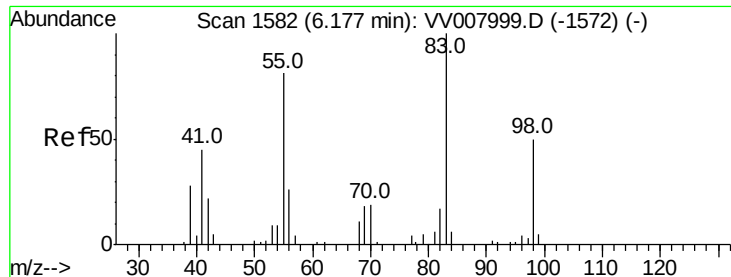
Tot Ion: 83 Resp: 100507
Ion Ratio Lower Upper
83 100
85 67.9 44.8 83.2



#31
Carbon tetrachloride
Concen: 8.652 ug/L
RT: 4.88 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VV008004.D
Acq: 01 Oct 2018 19:37

Tgt Ion: 117 Resp: 76432
Ion Ratio Lower Upper
117 100
119 96.9 77.8 116.8

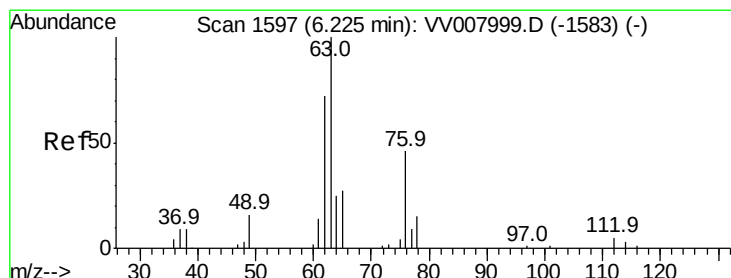
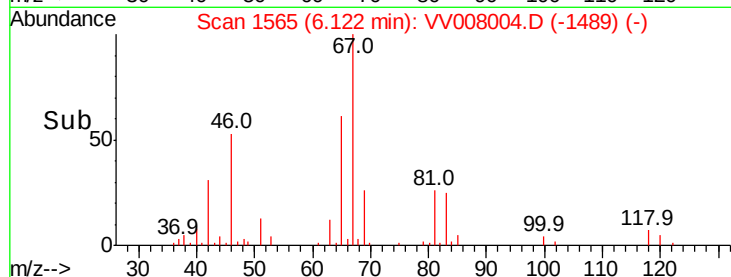
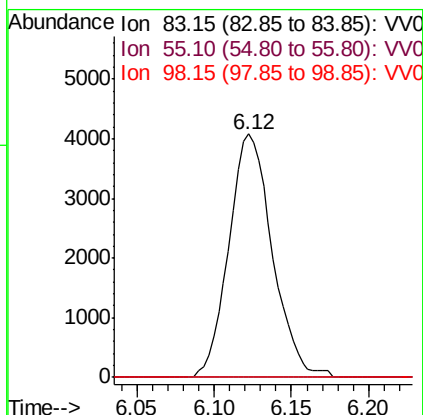
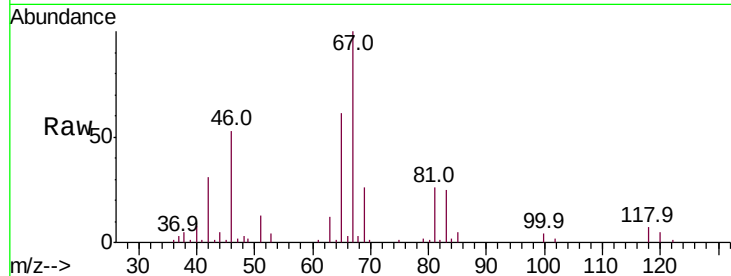




#35
Methylvlcyclohexane
Concen: 0.776 ug/L
RT: 6.12 min Scan# 1565
Delta R.T. -0.05 min
Lab File: VV008004.D
Acq: 01 Oct 2018 19:37

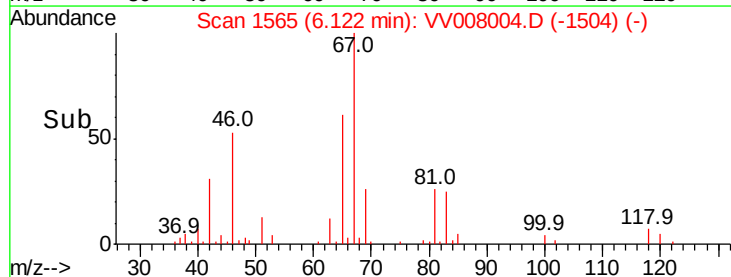
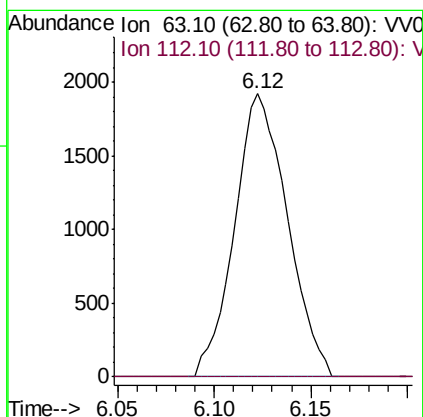
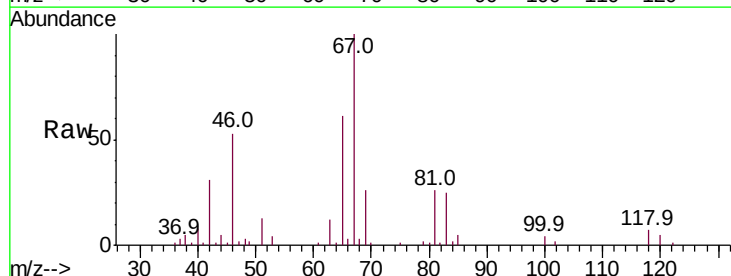
Instrument :
MSVOA_V
ClientSampleId :
E62T1DL

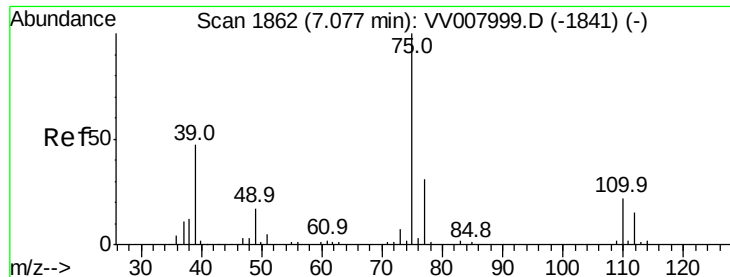
Tot Ion: 83 Resp: 7953
Ion Ratio Lower Upper
83 100
55 0.0 62.2 93.2#
98 2.1 38.0 57.0#



#37
1,2-Dichloropropane
Concen: 0.599 ug/L
RT: 6.12 min Scan# 1565
Delta R.T. -0.10 min
Lab File: VV008004.D
Acq: 01 Oct 2018 19:37

Tgt Ion: 63 Resp: 3649
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#

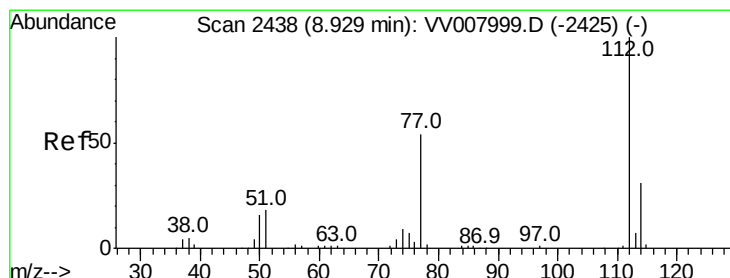
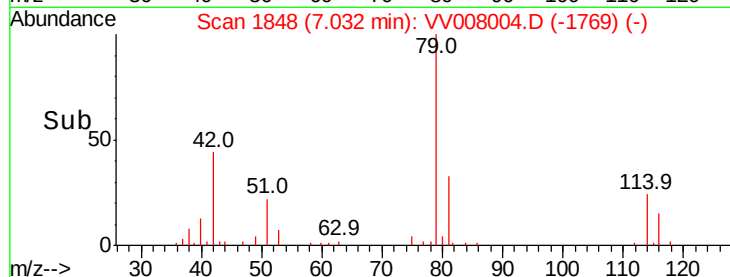
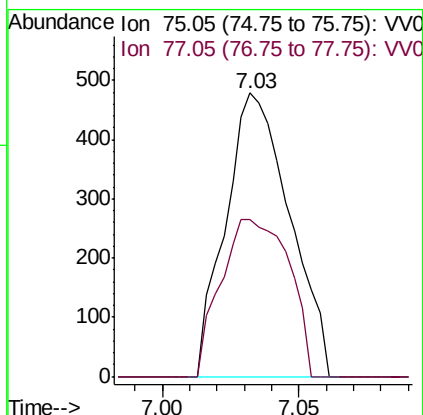
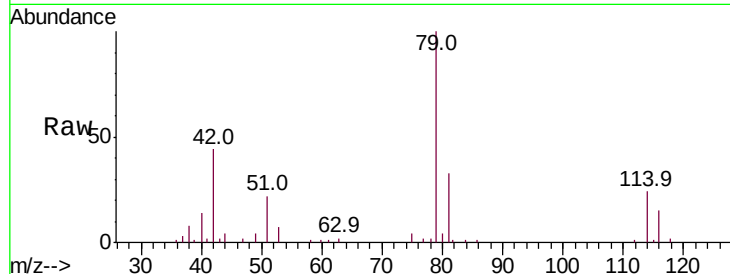




#39
 cis-1,3-Dichloropropene
 Concen: 0.096 ug/L
 RT: 7.03 min Scan# 1848
 Delta R.T. -0.05 min
 Lab File: VV008004.D
 Acq: 01 Oct 2018 19:37

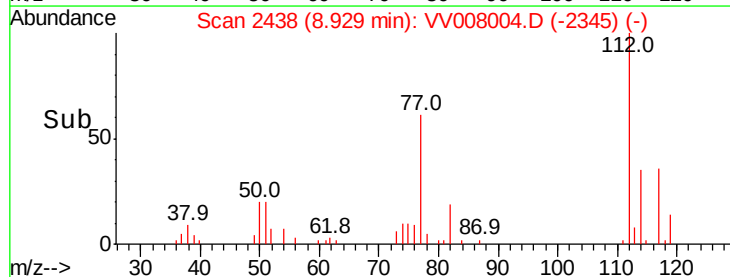
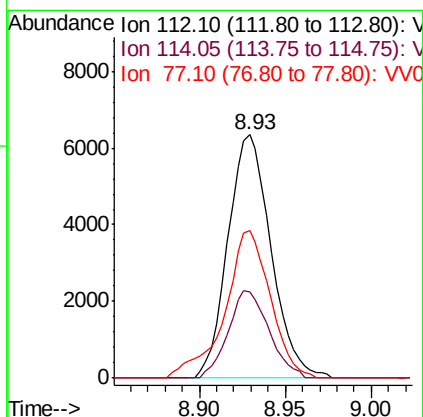
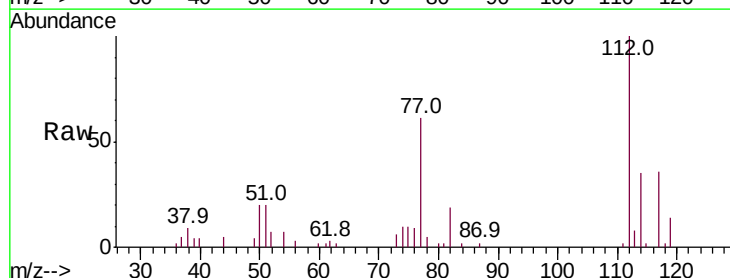
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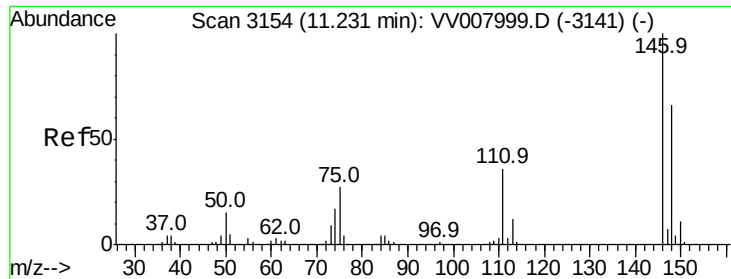
Tot Ion: 75 Resp: 780
 Ion Ratio Lower Upper
 75 100
 77 55.4 22.9 42.5#



#51
 Chlorobenzene
 Concen: 0.615 ug/L
 RT: 8.93 min Scan# 2438
 Delta R.T. -0.00 min
 Lab File: VV008004.D
 Acq: 01 Oct 2018 19:37

Tgt Ion: 112 Resp: 11042
 Ion Ratio Lower Upper
 112 100
 114 35.2 22.4 41.6
 77 60.6 45.0 67.6

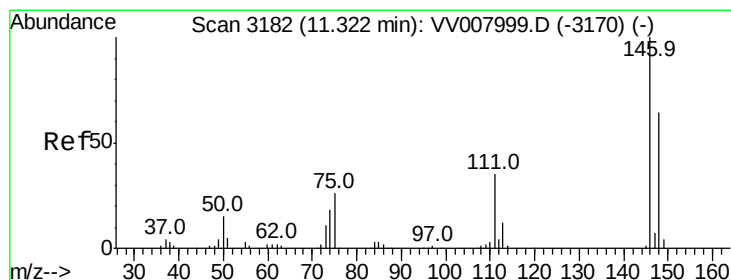
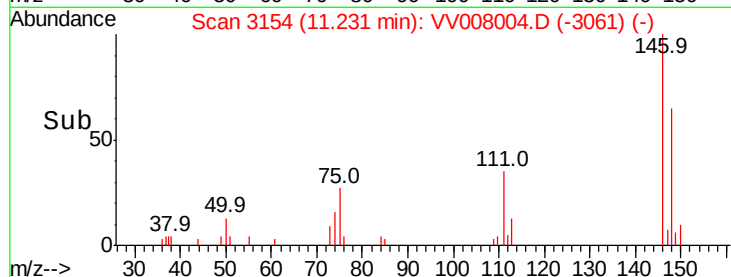
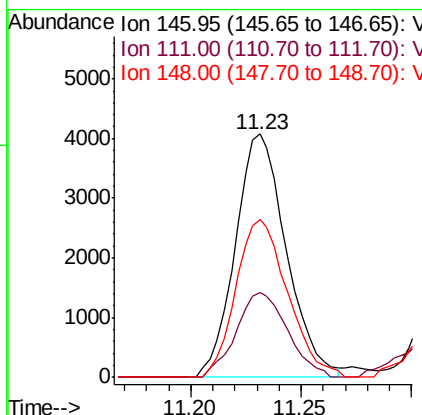
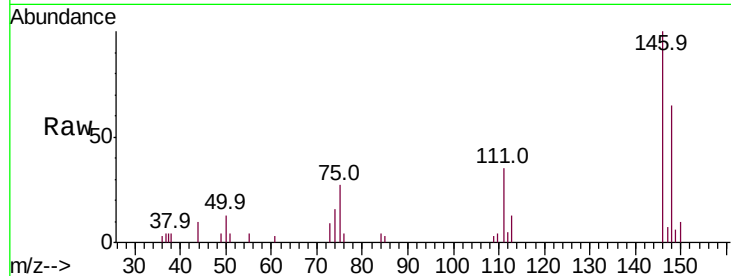




#62
 1,3-Dichlorobenzene
 Concen: 0.471 ug/L
 RT: 11.23 min Scan# 3154
 Delta R.T. -0.00 min
 Lab File: VV008004.D
 Acq: 01 Oct 2018 19:37

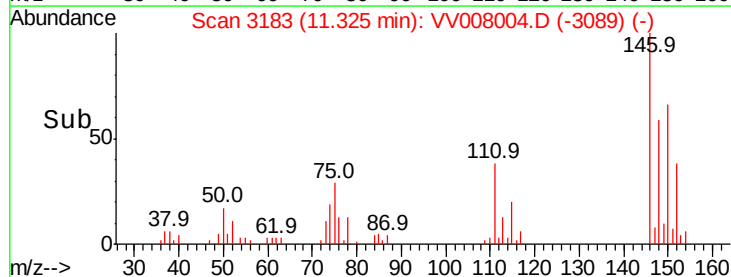
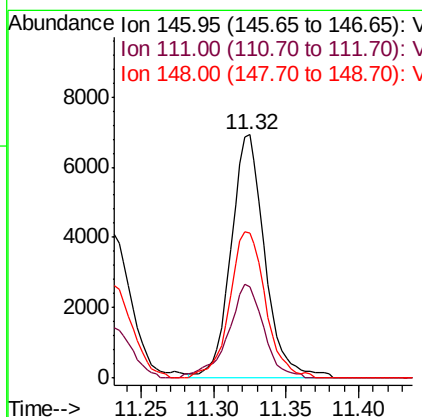
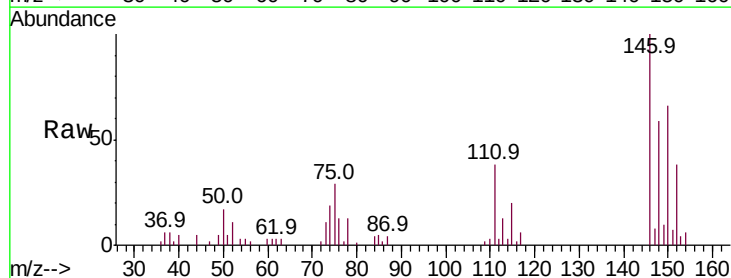
Instrument :
 MSVOA_V
 ClientSampled :
 E62T1DL

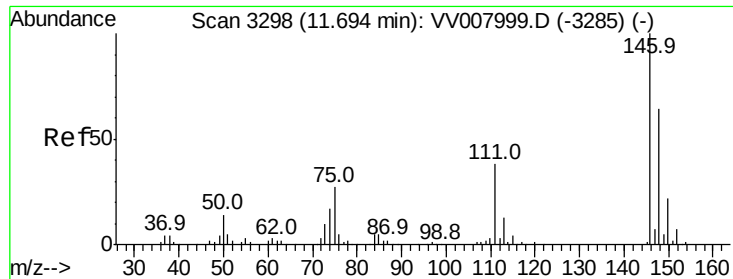
Tot Ion:146 Resp: 6541
 Ion Ratio Lower Upper
 146 100
 111 34.7 25.8 48.0
 148 64.6 44.7 82.9



#63
 1,4-Dichlorobenzene
 Concen: 0.778 ug/L
 RT: 11.32 min Scan# 3183
 Delta R.T. 0.00 min
 Lab File: VV008004.D
 Acq: 01 Oct 2018 19:37

Tgt Ion:146 Resp: 11249
 Ion Ratio Lower Upper
 146 100
 111 37.6 25.3 47.1
 148 59.4 44.7 82.9

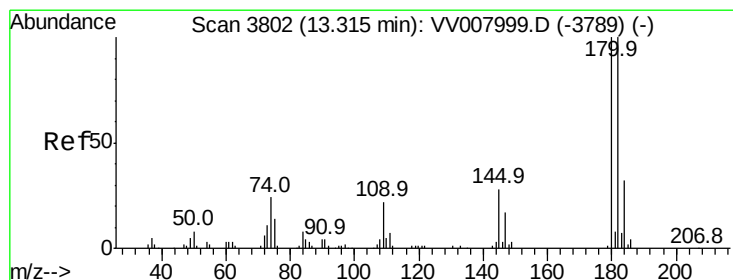
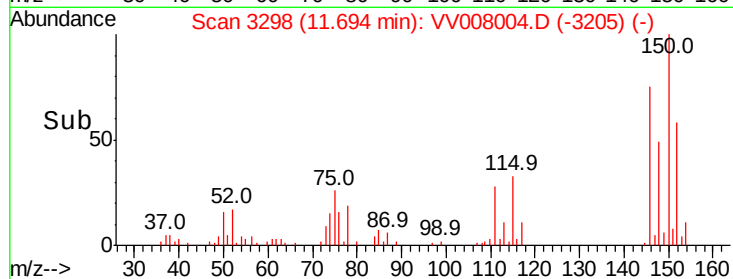
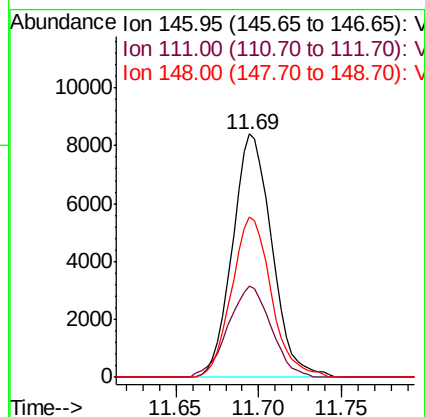
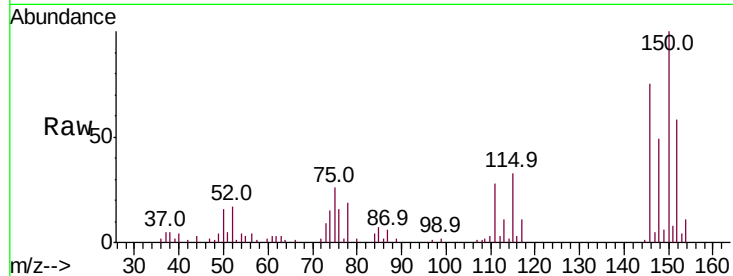




#65
 1,2-Dichlorobenzene
 Concen: 1.060 ug/L
 RT: 11.69 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VV008004.D
 Acq: 01 Oct 2018 19:37

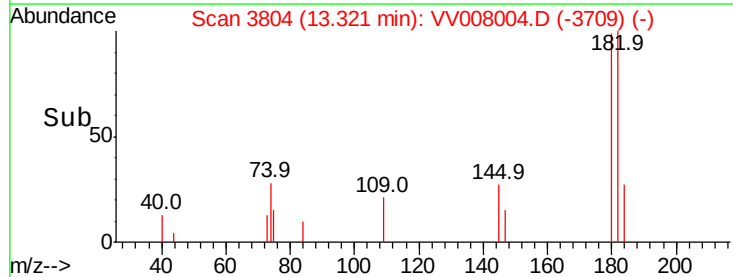
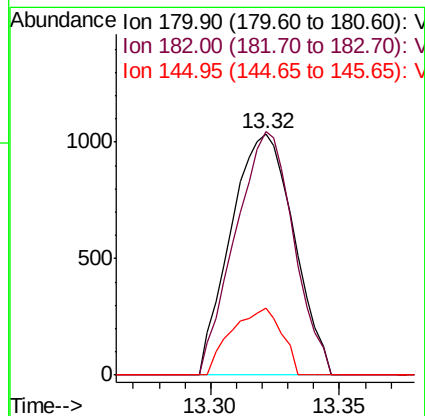
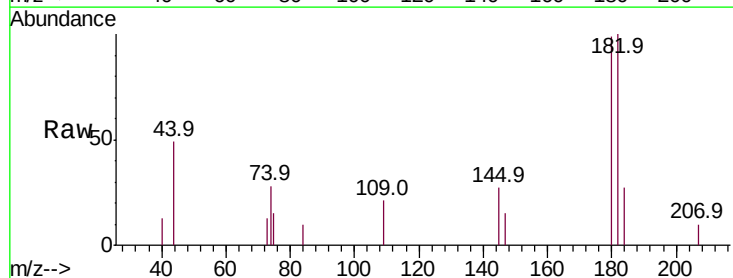
Instrument :
 MSVOA_V
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 E62T1DL

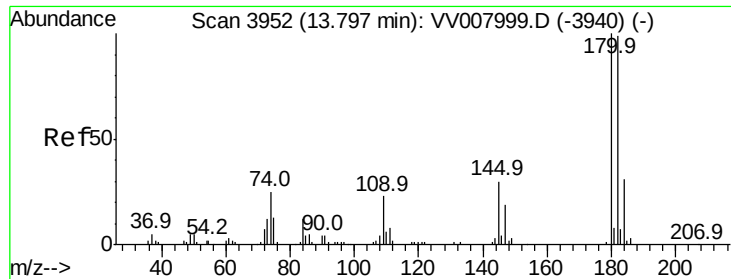
Tot Ion:146 Resp: 13894
 Ion Ratio Lower Upper
 146 100
 111 37.2 31.2 46.8
 148 65.7 50.3 75.5



#68
 1,2,4-trichlorobenzene
 Concen: 0.176 ug/L
 RT: 13.32 min Scan# 3804
 Delta R.T. 0.01 min
 Lab File: VV008004.D
 Acq: 01 Oct 2018 19:37

Tgt Ion:180 Resp: 1767
 Ion Ratio Lower Upper
 180 100
 182 93.4 77.4 116.2
 145 22.1 22.6 33.8#

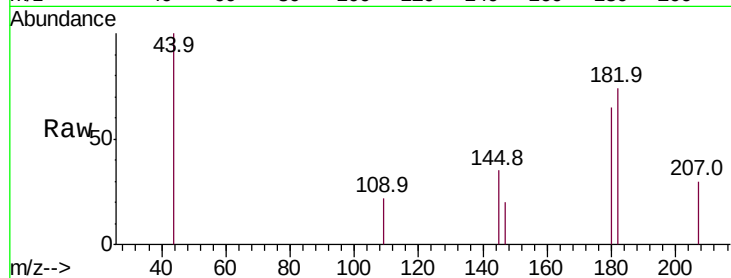




#70
 1,2,3-Trichlorobenzene
 Concen: 0.059 ug/L
 RT: 13.80 min Scan# 3954
 Delta R.T. 0.01 min
 Lab File: VV008004.D
 Acq: 01 Oct 2018 19:37

Instrument :
 MSVOA_V
 ClientSampleId :
 E62T1DL

Tot Ion	Ratio	Lower	Upper
180	100		
182	90.2	75.7	113.5
145	32.7	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

