

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100118\
 Data File : VV008019.D
 Acq On : 02 Oct 2018 02:27
 Operator : SY/MD
 Sample : J5160-04
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GACA9

Quant Time: Oct 02 04:20:04 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	89362	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	84563	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	41254	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	23362	4.88	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.60%
7) Chloroethane-d5	1.59	69	20047	4.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.80%
11) 1,1-Dichloroethene-d2	2.14	63	44854	4.15	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.00%
20) 2-Butanone-d5	3.98	46	67596	46.91	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.82%
24) Chloroform-d	4.41	84	51062	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.60%
26) 1,2-Dichloroethane-d4	5.09	65	27833	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.80%
32) Benzene-d6	5.10	84	101414	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.40%
36) 1,2-Dichloropropane-d6	6.12	67	32194	5.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.60%
41) Toluene-d8	7.36	98	92916	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.40%
43) trans-1,3-Dichloropropene-	7.67	79	10317	4.19	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.80%
46) 2-Hexanone-d5	8.14	63	47075	43.28	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.56%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	22613	4.58	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.60%
64) 1,2-Dichlorobenzene-d4	11.68	152	38347	4.80	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.00%

Target Compounds

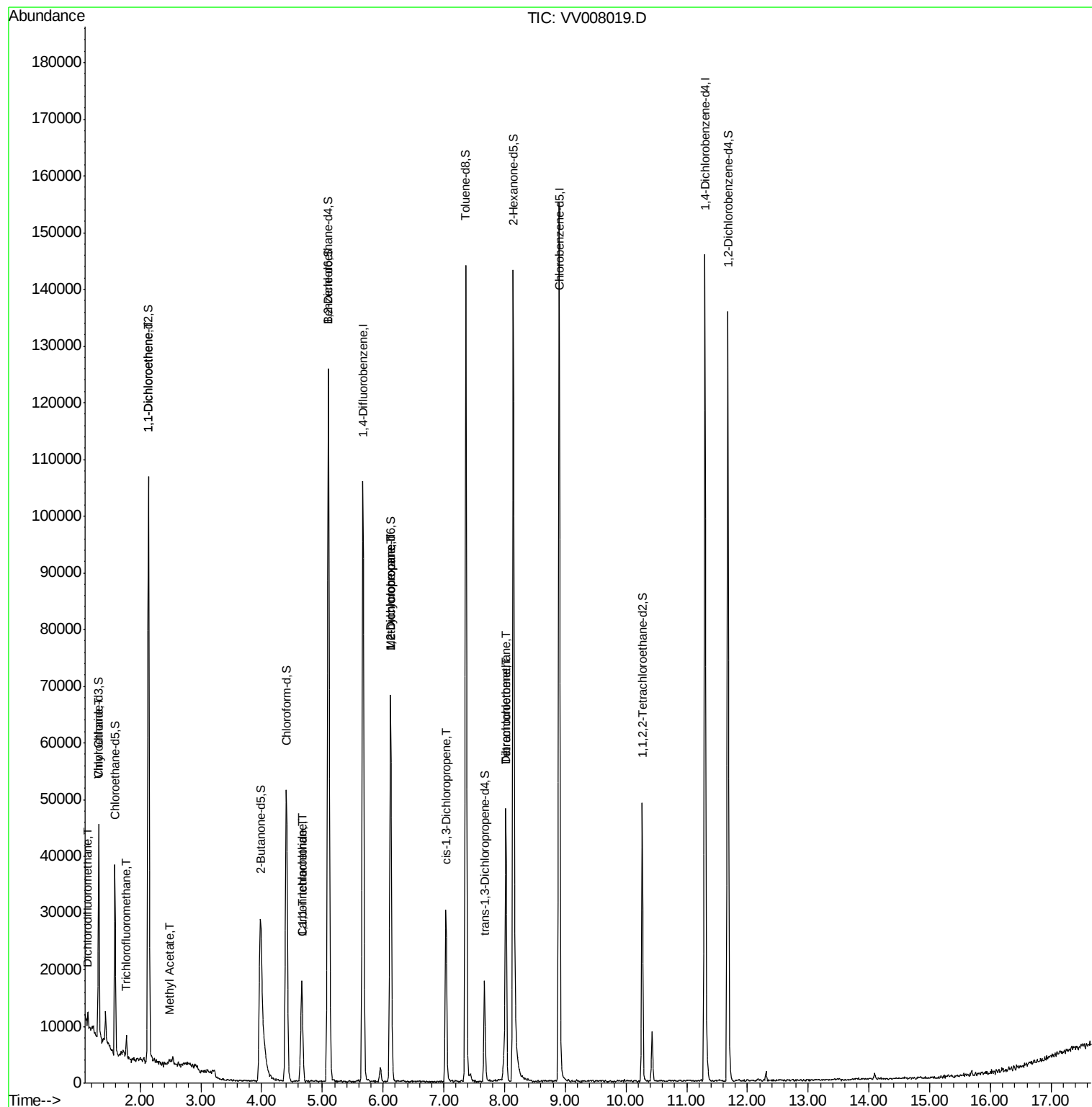
					Ovalue
2) Dichlorodifluoromethane	1.14	85	1665	0.222	ug/L 90
8) Chloroethane	1.32	64	360	0.084	ug/L # 1
9) Trichlorofluoromethane	1.77	101	1564	0.134	ug/L 94
12) 1,1-Dichloroethene	2.14	96	14935	2.528	ug/L # 82
15) Methyl Acetate	2.48	43	599	0.223	ug/L # 51
29) 1,1,1-Trichloroethane	4.66	97	13879	1.365	ug/L 98
31) Carbon tetrachloride	4.66	117	1861	0.208	ug/L 98
35) Methylcyclohexane	6.13	83	7525	0.724	ug/L # 18
37) 1,2-Dichloropropane	6.12	63	3713	0.600	ug/L # 87
39) cis-1,3-Dichloropropene	7.03	75	724	0.087	ug/L # 39
47) Tetrachloroethene	8.02	164	10941	1.703	ug/L 98
49) Dibromochloromethane	8.02	129	9388	1.842	ug/L # 12

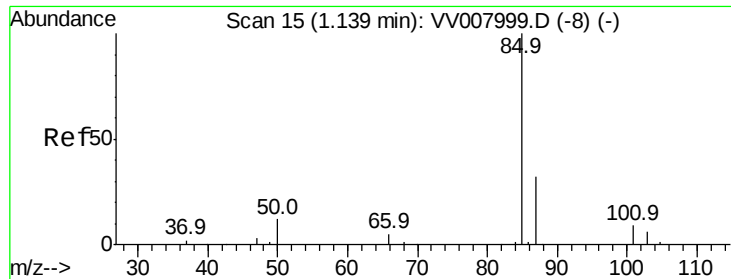
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Oct 02 04:17:24 2018
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#2

Dichlorodifluoromethane

Concen: 0.222 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV008019.D

Acq: 02 Oct 2018 02:27

Instrument :

MSVOA_V

ClientSampleId :

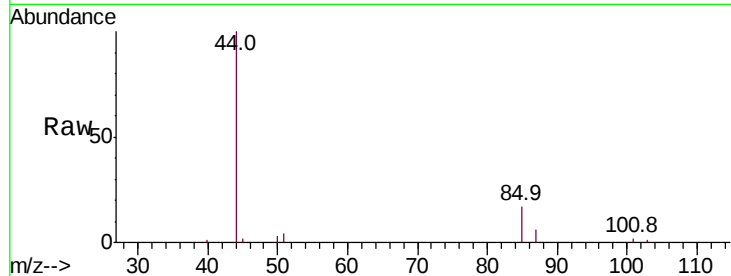
GACA9

Tot Ion: 85 Resp: 1665

Ion Ratio Lower Upper

85 100

87 25.8 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VV007999.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV007999.D (-8) (-)

1.14

1500

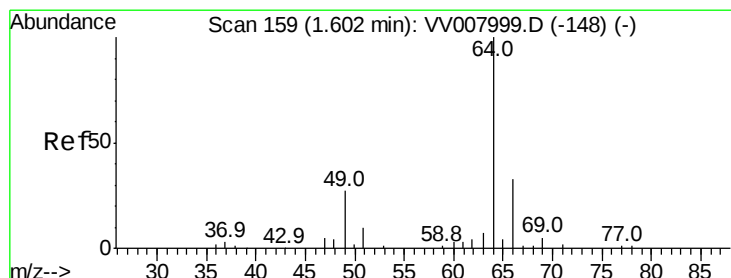
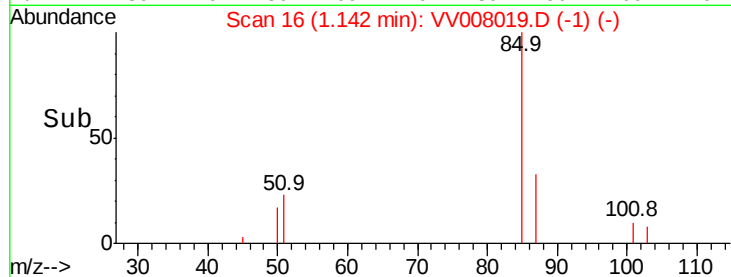
1000

500

0

Time-->

1.10 1.15 1.20



#8

Chloroethane

Concen: 0.084 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.28 min

Lab File: VV008019.D

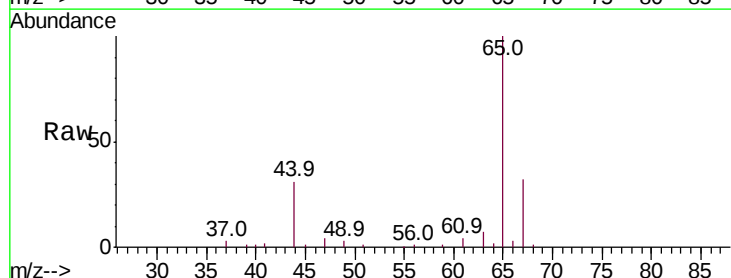
Acq: 02 Oct 2018 02:27

Tgt Ion: 64 Resp: 360

Ion Ratio Lower Upper

64 100

66 171.9 23.1 42.9#



Abundance Ion 64.10 (63.80 to 64.80): VV007999.D (-148) (-)

Ion 66.05 (65.75 to 66.75): VV007999.D (-148) (-)

1.32

600

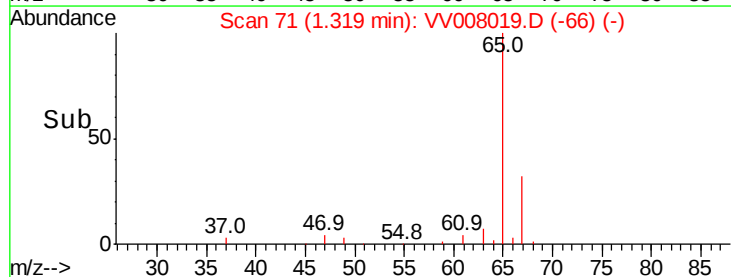
400

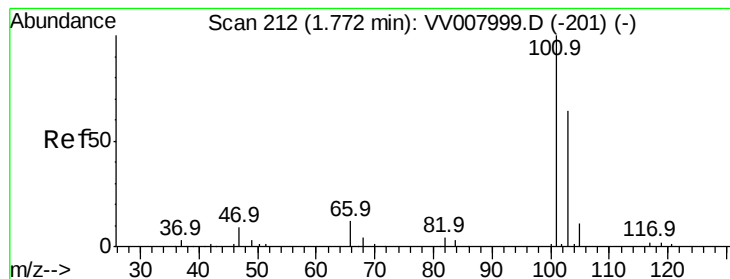
200

0

Time-->

1.30 1.32 1.34



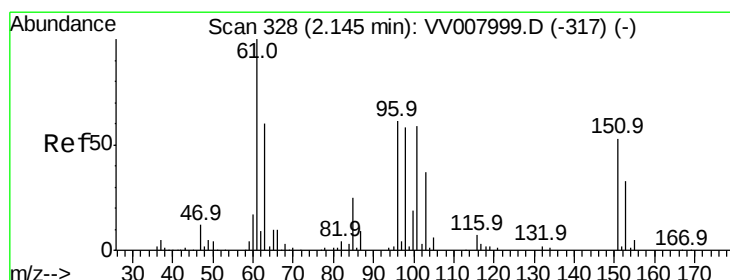
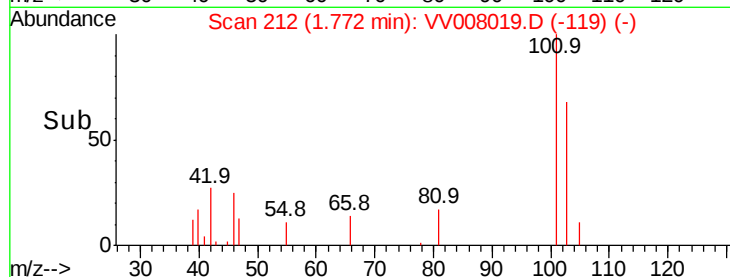
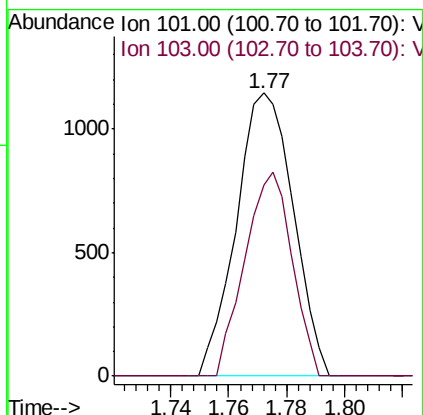
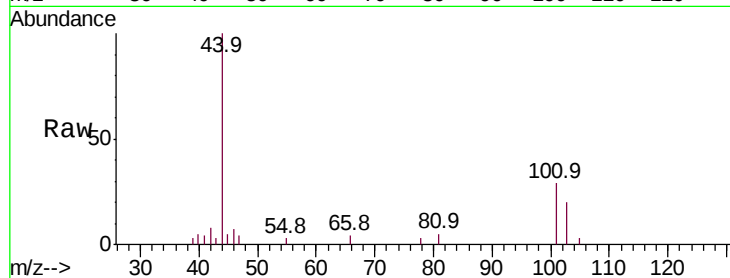


#9

Trichlorofluoromethane
 Concen: 0.134 ug/L
 RT: 1.77 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VV008019.D
 Acq: 02 Oct 2018 02:27

Instrument :
 MSVOA_V
 ClientSampled :
 GACA9

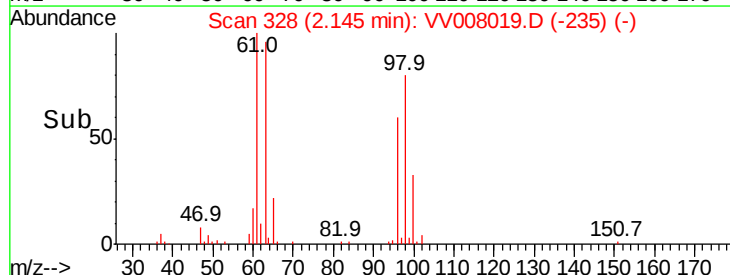
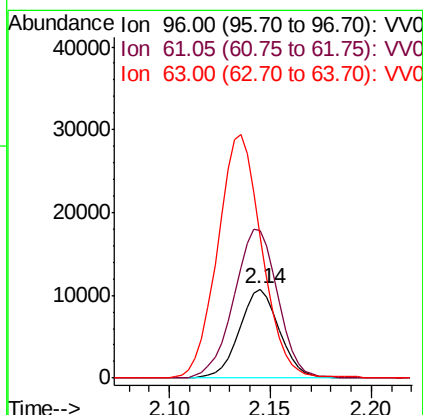
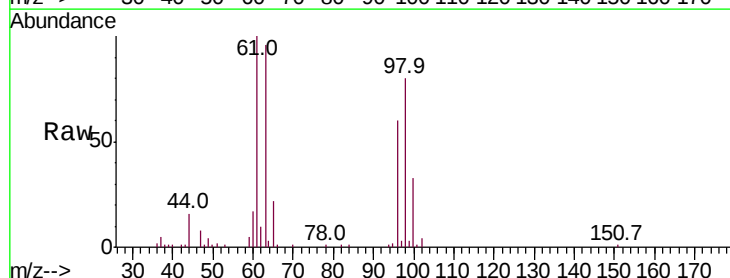
Tot Ion:101 Resp: 1564
 Ion Ratio Lower Upper
 101 100
 103 59.6 51.5 77.3

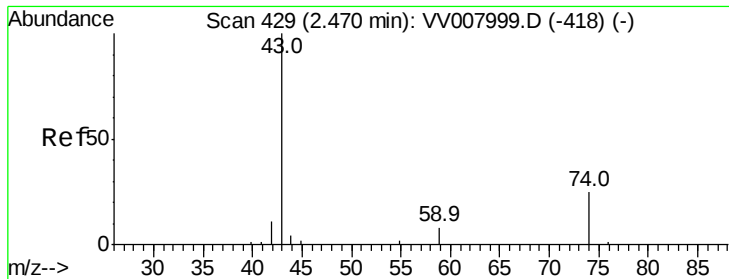


#12

1,1-Dichloroethene
 Concen: 2.528 ug/L
 RT: 2.14 min Scan# 328
 Delta R.T. -0.00 min
 Lab File: VV008019.D
 Acq: 02 Oct 2018 02:27

Tgt Ion: 96 Resp: 14935
 Ion Ratio Lower Upper
 96 100
 61 166.6 114.1 211.9
 63 159.5 81.5 151.3#

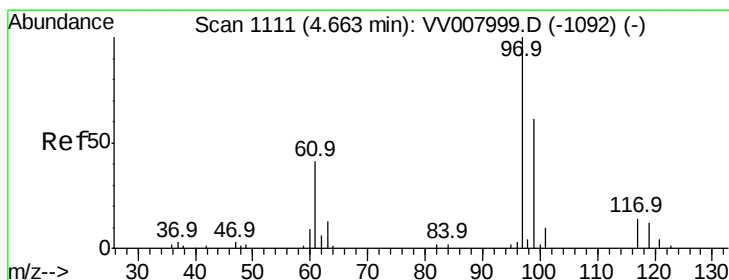
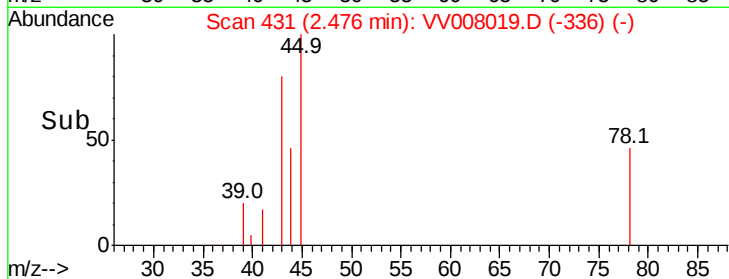
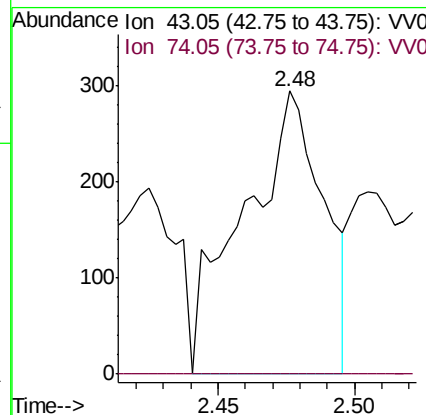
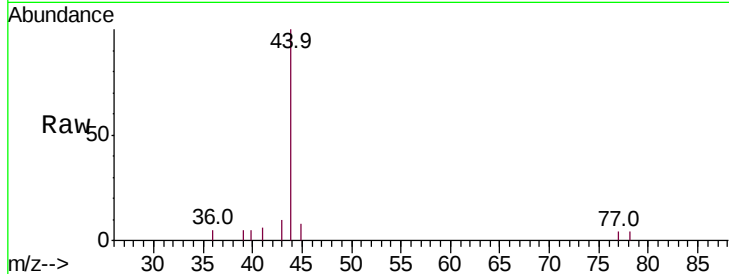




#15
Methvl Acetate
Concen: 0.223 ug/L
RT: 2.48 min Scan# 431
Delta R.T. 0.01 min
Lab File: VV008019.D
Acq: 02 Oct 2018 02:27

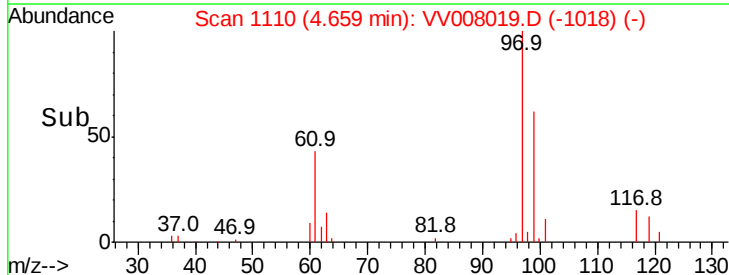
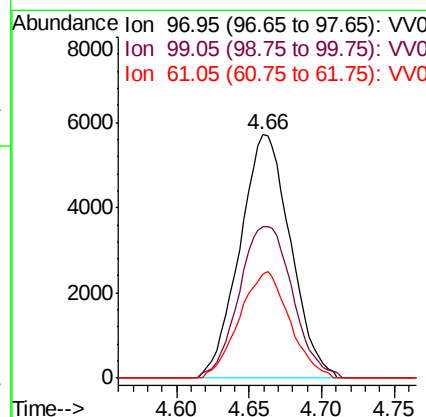
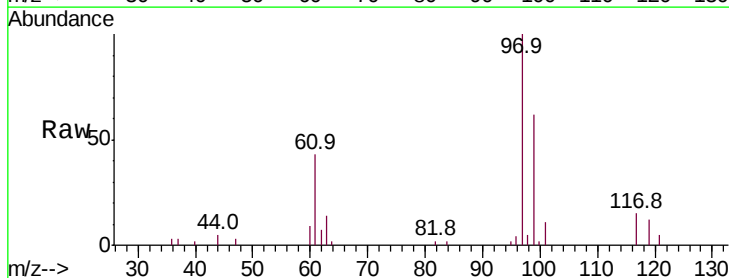
Instrument :
MSVOA_V
ClientSampled :
GACA9

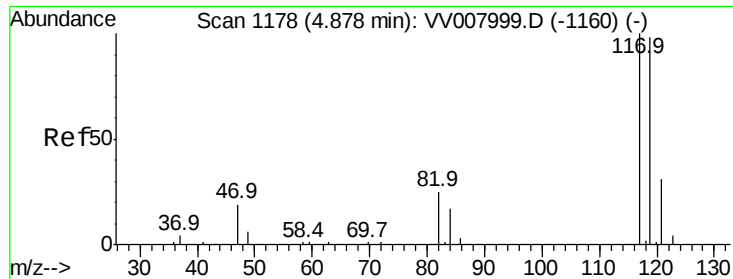
Tot Ion: 43 Resp: 599
Ion Ratio Lower Upper
43 100
74 0.0 19.5 29.3#



#29
1,1,1-Trichloroethane
Concen: 1.365 ug/L
RT: 4.66 min Scan# 1110
Delta R.T. -0.00 min
Lab File: VV008019.D
Acq: 02 Oct 2018 02:27

Tgt Ion: 97 Resp: 13879
Ion Ratio Lower Upper
97 100
99 66.1 51.2 76.8
61 43.2 34.6 52.0





#31

Carbon tetrachloride

Concen: 0.208 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. -0.22 min

Lab File: VV008019.D

Acq: 02 Oct 2018 02:27

Instrument :

MSVOA_V

ClientSampleId :

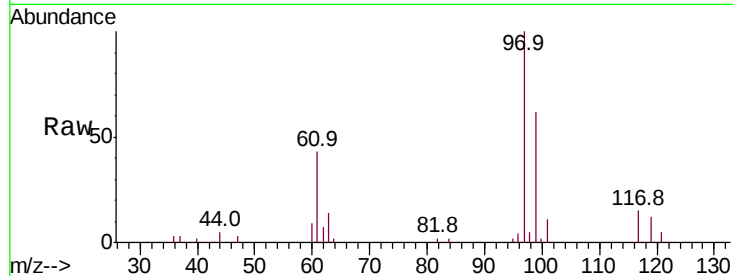
GACA9

Tot Ion:117 Resp: 1861

Ion Ratio Lower Upper

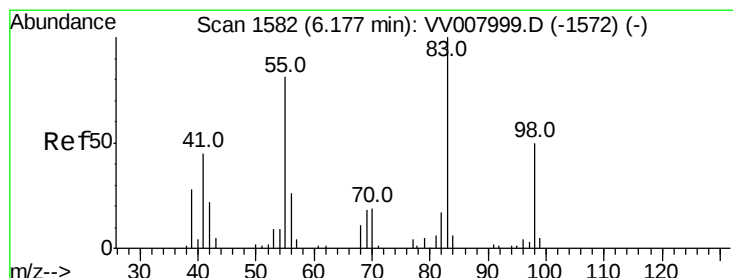
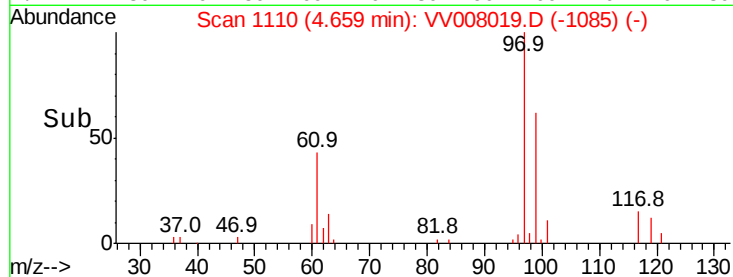
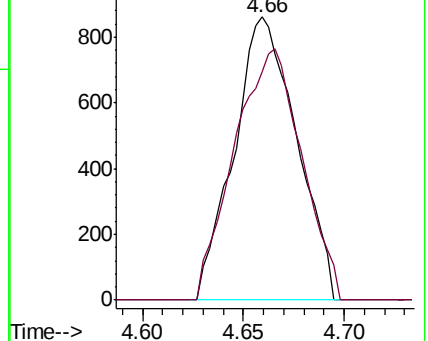
117 100

119 95.7 77.8 116.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#35

Methylcyclohexane

Concen: 0.724 ug/L

RT: 6.13 min Scan# 1566

Delta R.T. -0.05 min

Lab File: VV008019.D

Acq: 02 Oct 2018 02:27

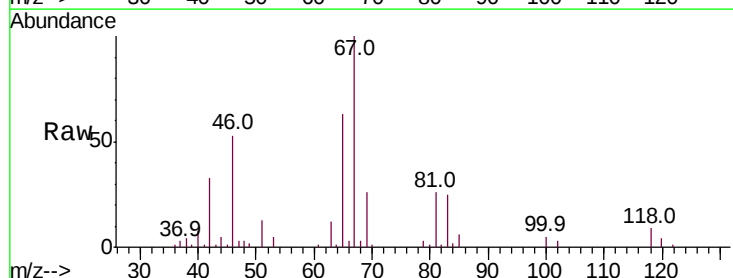
Tgt Ion: 83 Resp: 7525

Ion Ratio Lower Upper

83 100

55 0.0 62.2 93.2#

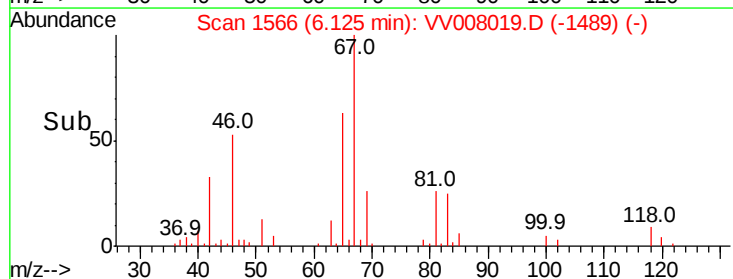
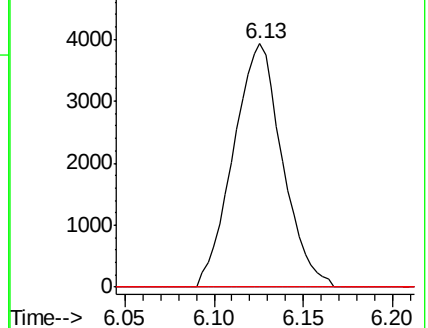
98 0.0 38.0 57.0#

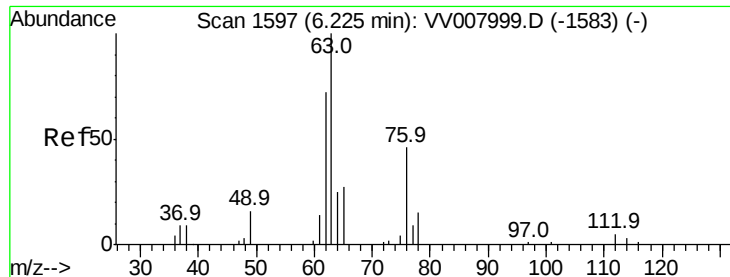


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 0.600 ug/L

RT: 6.12 min Scan# 1565

Delta R.T. -0.10 min

Lab File: VV008019.D

Acq: 02 Oct 2018 02:27

Instrument :

MSVOA_V

ClientSampleId :

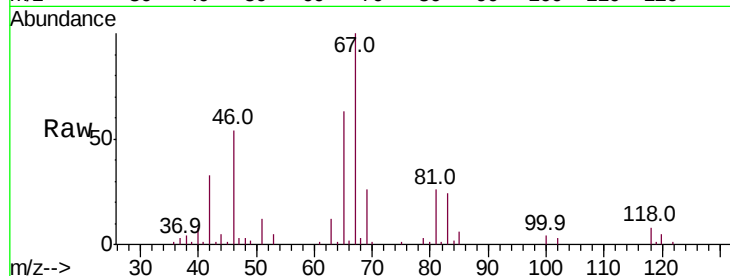
GACA9

Tot Ion: 63 Resp: 3713

Ion Ratio Lower Upper

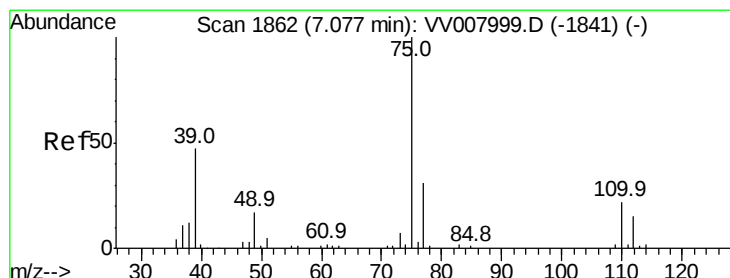
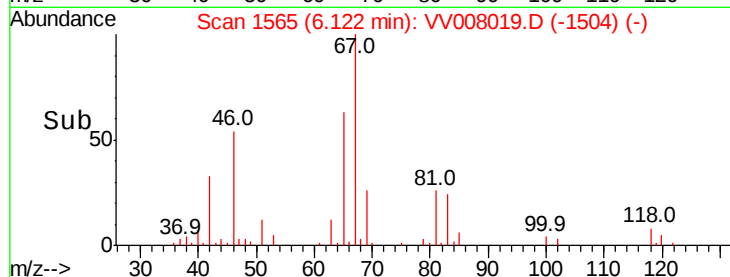
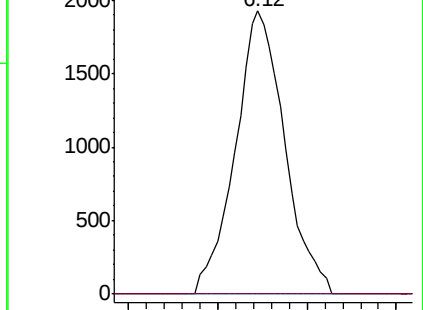
63 100

112 0.0 3.4 5.0#



Abundance Ion 63.10 (62.80 to 63.80): VV007999.D (-1583) (-)

Ion 112.10 (111.80 to 112.80): VV007999.D (-1583) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.087 ug/L

RT: 7.03 min Scan# 1848

Delta R.T. -0.05 min

Lab File: VV008019.D

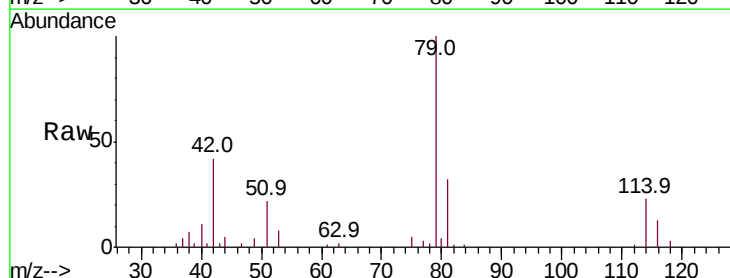
Acq: 02 Oct 2018 02:27

Tgt Ion: 75 Resp: 724

Ion Ratio Lower Upper

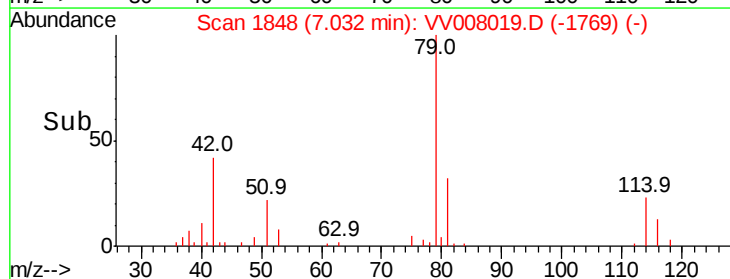
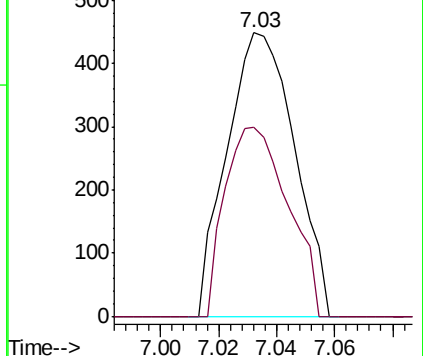
75 100

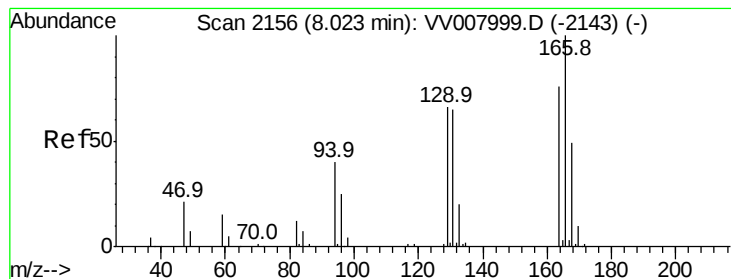
77 67.0 22.9 42.5#



Abundance Ion 75.05 (74.75 to 75.75): VV007999.D (-1841) (-)

Ion 77.05 (76.75 to 77.75): VV007999.D (-1841) (-)





#47

Tetrachloroethene

Concen: 1.703 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. -0.00 min

Lab File: VV008019.D

Acq: 02 Oct 2018 02:27

Instrument :

MSVOA_V

ClientSampleId :

GACA9

Tot Ion:164 Resp: 10941

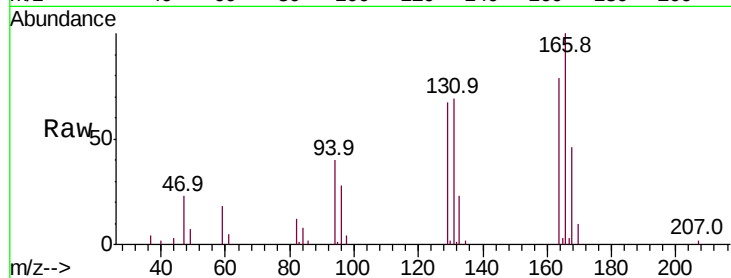
Ion Ratio Lower Upper

164 100

129 84.6 59.2 110.0

131 87.3 57.1 106.1

166 126.7 88.6 164.6

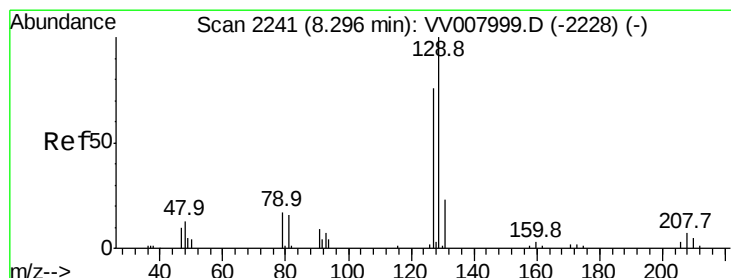
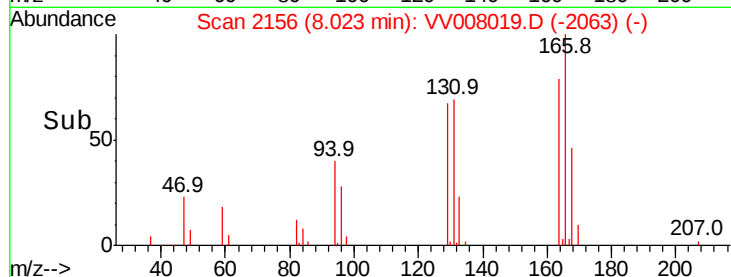
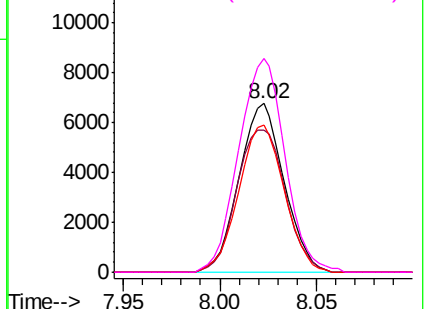


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#49

Dibromochloromethane

Concen: 1.842 ug/L

RT: 8.02 min Scan# 2156

Delta R.T. -0.27 min

Lab File: VV008019.D

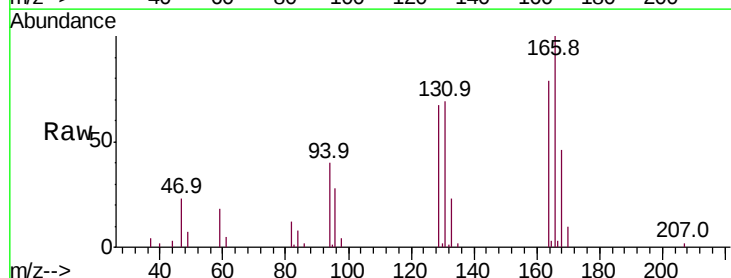
Acq: 02 Oct 2018 02:27

Tgt Ion:129 Resp: 9388

Ion Ratio Lower Upper

129 100

127 0.0 53.1 98.5#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

