

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV101018\
 Data File : VV008232.D
 Acq On : 10 Oct 2018 14:04
 Operator : SY/MD
 Sample : J5315-01
 Misc : 25.0 mL/MSVOA_V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0J92

Quant Time: Oct 11 02:17:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR100518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Oct 11 01:57:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	88726	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	87094	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	39599	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	21123	3.88	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.60%
7) Chloroethane-d5	1.59	69	18565	4.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.80%
11) 1,1-Dichloroethene-d2	2.14	63	32545	3.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.00%
20) 2-Butanone-d5	3.96	46	72077	55.01	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.02%
24) Chloroform-d	4.41	84	50825	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.40%
26) 1,2-Dichloroethane-d4	5.09	65	26024	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.60%
32) Benzene-d6	5.10	84	95382	4.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.80%
36) 1,2-Dichloropropane-d6	6.13	67	31161	4.42	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.40%
41) Toluene-d8	7.36	98	81532	3.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	75.40%
43) trans-1,3-Dichloropropene-	7.67	79	10416	4.24	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.80%
46) 2-Hexanone-d5	8.14	63	48887	49.92	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.84%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	21906	4.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.40%
64) 1,2-Dichlorobenzene-d4	11.68	152	33961	4.52	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.40%

Target Compounds

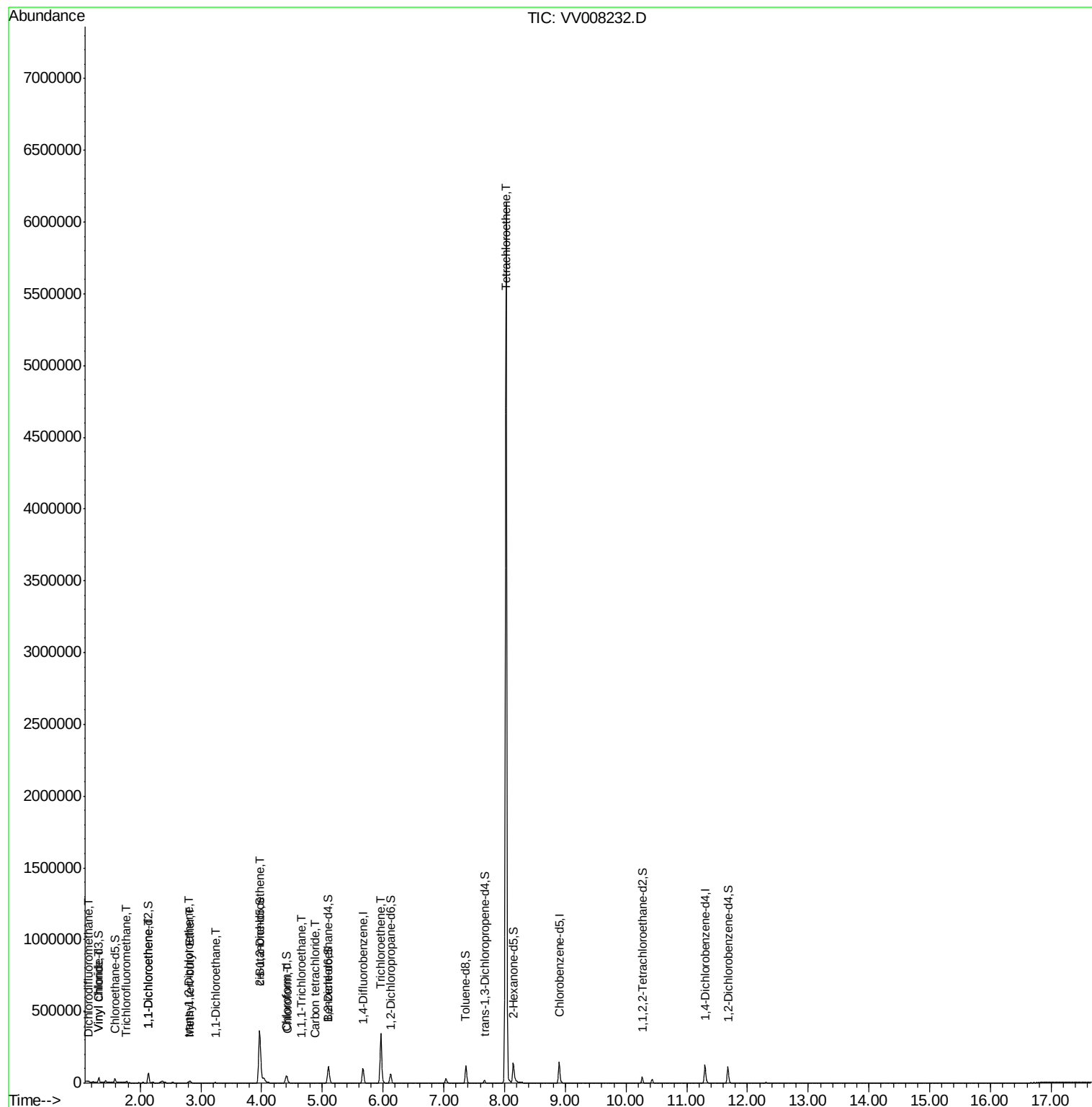
						Qvalue
2) Dichlorodifluoromethane	1.14	85	1102	0.18	ug/L	89
5) Vinyl chloride	1.33	62	1673	0.30	ug/L #	80
9) Trichlorofluoromethane	1.78	101	4294	0.44	ug/L	98
12) 1,1-Dichloroethene	2.14	96	4479	0.93	ug/L #	1
17) Methyl tert-butyl Ether	2.82	73	11102	0.92	ug/L	99
18) trans-1,2-Dichloroethene	2.80	96	1095	0.21	ug/L	86
19) 1,1-Dichloroethane	3.23	63	3734	0.37	ug/L	96
22) cis-1,2-Dichloroethene	3.97	96	187757	31.73	ug/L	99
25) Chloroform	4.43	83	3379	0.31	ug/L	90
29) 1,1,1-Trichloroethane	4.66	97	1419	0.15	ug/L #	85
31) Carbon tetrachloride	4.88	117	2522	0.29	ug/L	96
34) Trichloroethene	5.96	95	116524	18.17	ug/L	99
47) Tetrachloroethene	8.03	164	1451292	253.38	ug/L	98

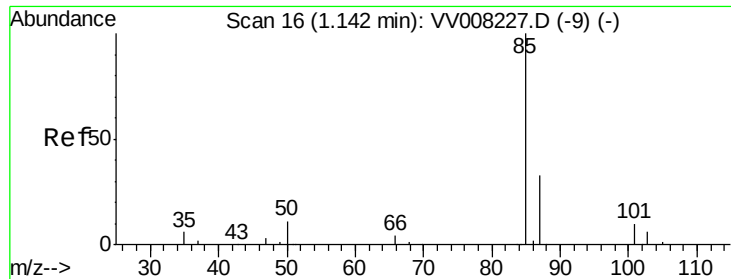
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Oct 11 01:57:50 2018
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.18 ug/L

RT: 1.14 min Scan# 16

Delta R.T. -0.00 min

Lab File: VV008232.D

Acq: 10 Oct 2018 14:04

Instrument :

MSVOA_V

ClientSampleId :

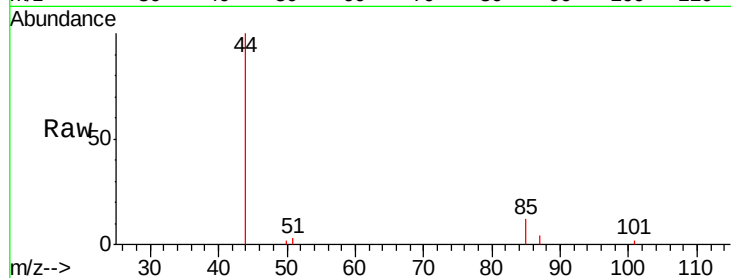
C0J92

Tgt Ion: 85 Resp: 1102

Ion Ratio Lower Upper

85 100

87 25.0 24.6 37.0



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1200

1000

800

600

400

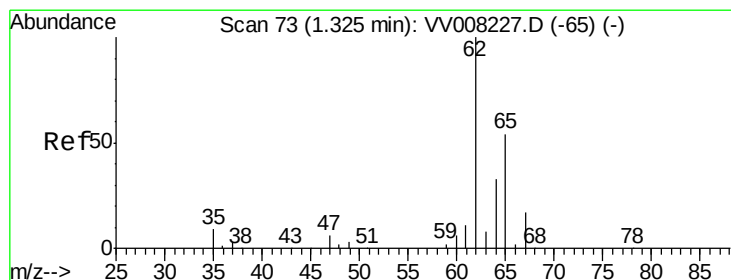
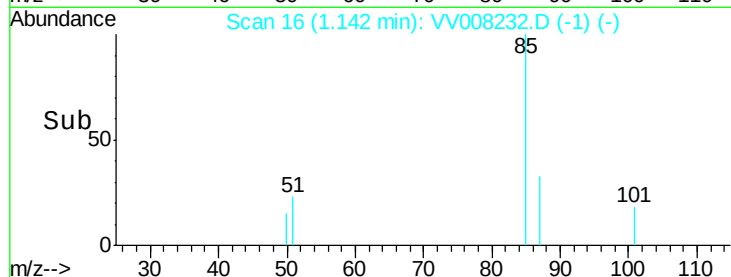
200

0

1.14

1.12 1.14 1.16 1.18

Time-->



#5

Vinyl chloride

Concen: 0.30 ug/L

RT: 1.33 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV008232.D

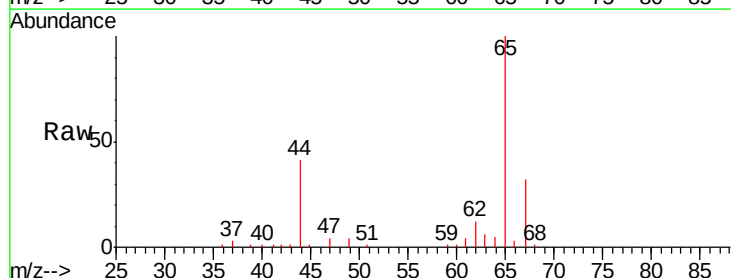
Acq: 10 Oct 2018 14:04

Tgt Ion: 62 Resp: 1673

Ion Ratio Lower Upper

62 100

64 44.9 23.4 43.4#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

2000

1500

1000

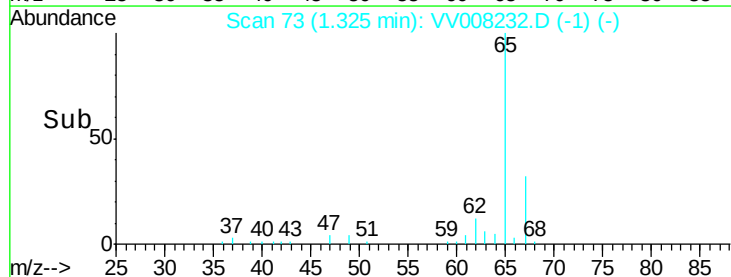
500

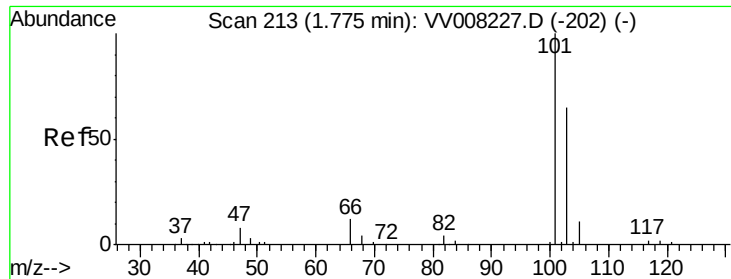
0

1.33

1.30 1.32 1.34 1.36

Time-->





#9

Trichlorofluoromethane

Concen: 0.44 ug/L

RT: 1.78 min Scan# 213

Delta R.T. -0.00 min

Lab File: VV008232.D

Acq: 10 Oct 2018 14:04

Instrument :

MSVOA_V

ClientSampleId :

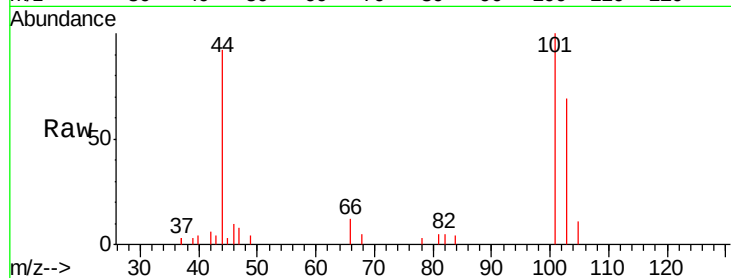
C0J92

Tgt Ion:101 Resp: 4294

Ion Ratio Lower Upper

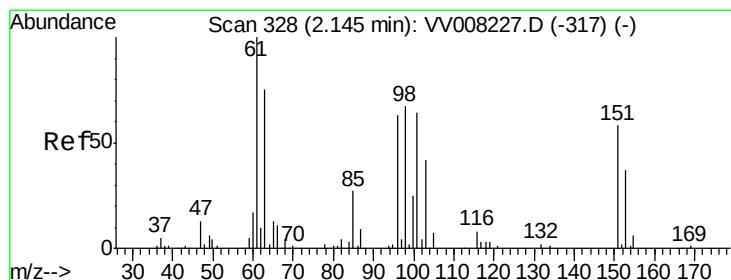
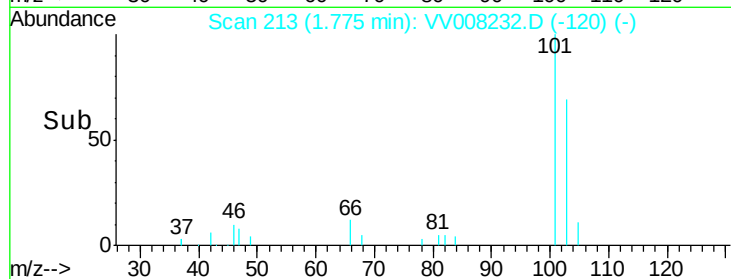
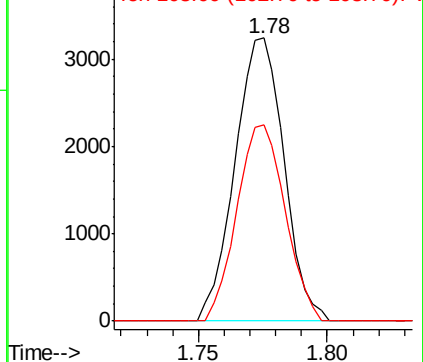
101 100

103 68.3 53.1 79.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1-Dichloroethene

Concen: 0.93 ug/L

RT: 2.14 min Scan# 328

Delta R.T. -0.00 min

Lab File: VV008232.D

Acq: 10 Oct 2018 14:04

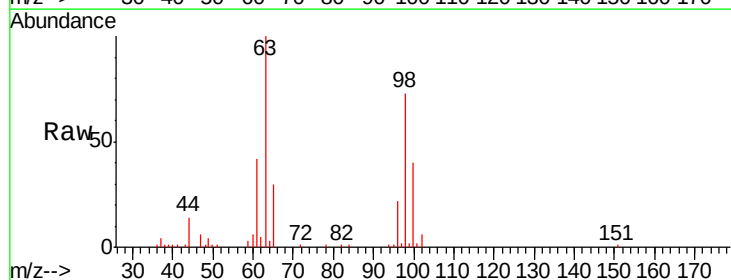
Tgt Ion: 96 Resp: 4479

Ion Ratio Lower Upper

96 100

61 188.2 114.7 213.1

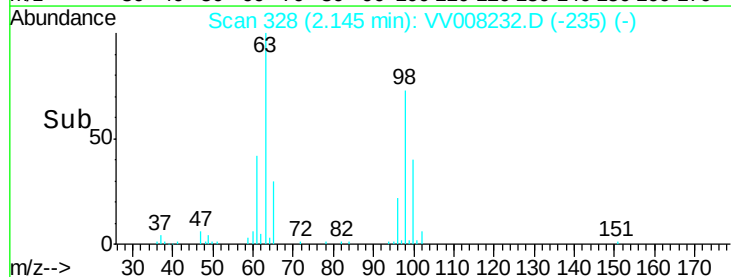
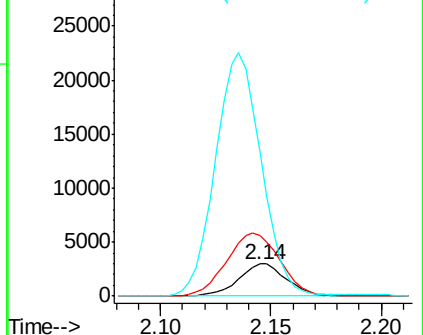
63 447.5 96.9 179.9#

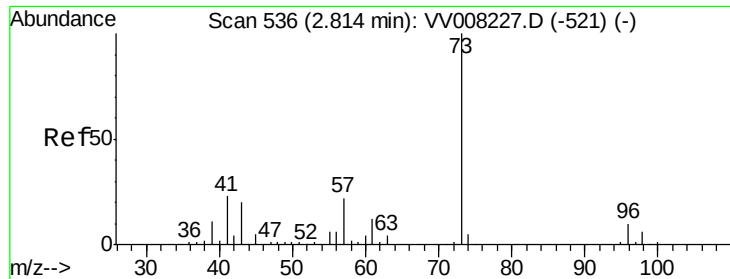


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#17

Methyl tert-butyl Ether

Concen: 0.92 ug/L

RT: 2.82 min Scan# 537

Delta R.T. 0.00 min

Lab File: VV008232.D

Acq: 10 Oct 2018 14:04

Instrument :

MSVOA_V

ClientSampleId :

C0J92

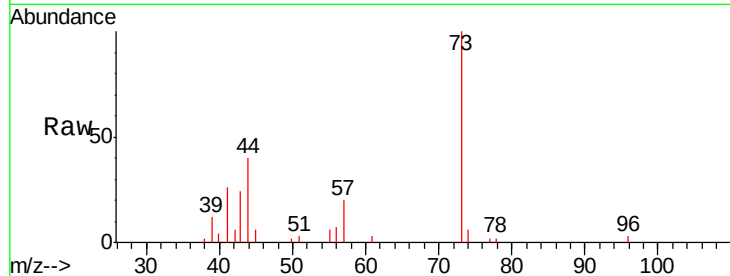
Tgt Ion: 73 Resp: 11102

Ion Ratio Lower Upper

73 100

43 20.6 17.0 25.4

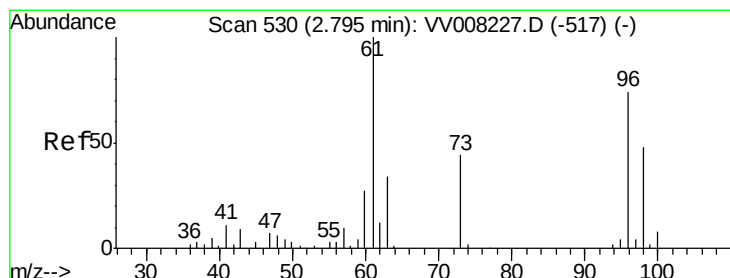
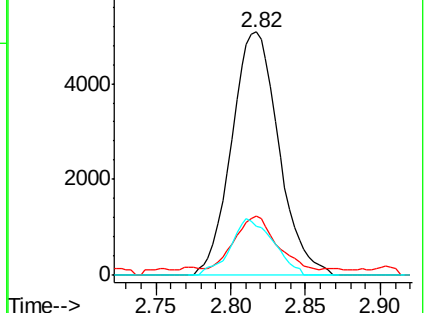
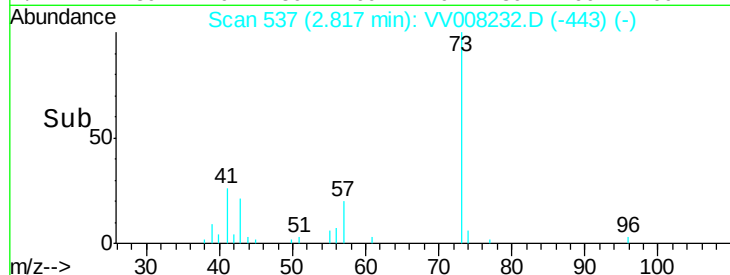
57 21.3 17.3 25.9



Abundance Ion 73.10 (72.80 to 73.80): VV008232.D (-443) (-)

Ion 43.05 (42.75 to 43.75): VV008232.D (-443) (-)

Ion 57.10 (56.80 to 57.80): VV008232.D (-443) (-)



#18

trans-1,2-Dichloroethene

Concen: 0.21 ug/L

RT: 2.80 min Scan# 531

Delta R.T. 0.00 min

Lab File: VV008232.D

Acq: 10 Oct 2018 14:04

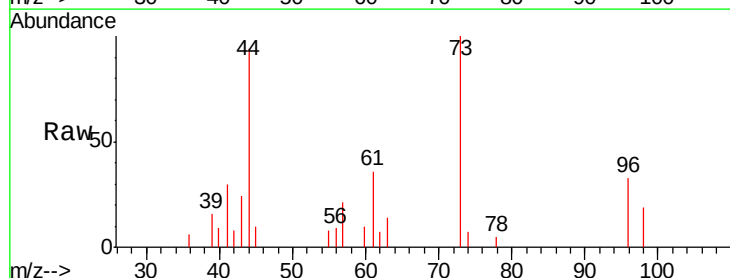
Tgt Ion: 96 Resp: 1095

Ion Ratio Lower Upper

96 100

61 109.3 91.6 170.2

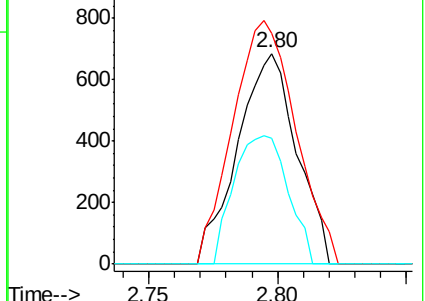
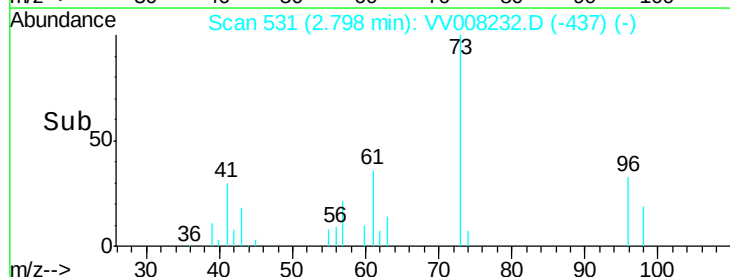
98 59.6 44.4 82.5

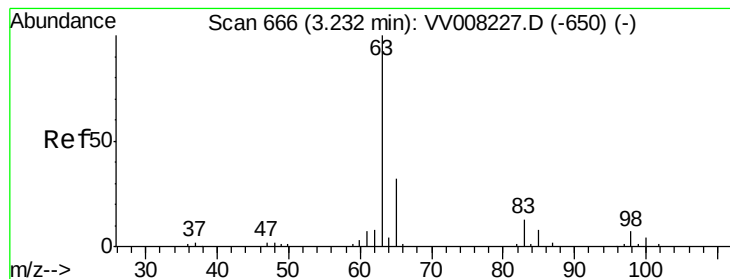


Abundance Ion 96.00 (95.70 to 96.70): VV008232.D (-437) (-)

Ion 61.05 (60.75 to 61.75): VV008232.D (-437) (-)

Ion 97.95 (97.65 to 98.65): VV008232.D (-437) (-)





#19

1,1-Dichloroethane

Concen: 0.37 ug/L

RT: 3.23 min Scan# 667

Delta R.T. 0.00 min

Lab File: VV008232.D

Acq: 10 Oct 2018 14:04

Instrument :

MSVOA_V

ClientSampleId :

C0J92

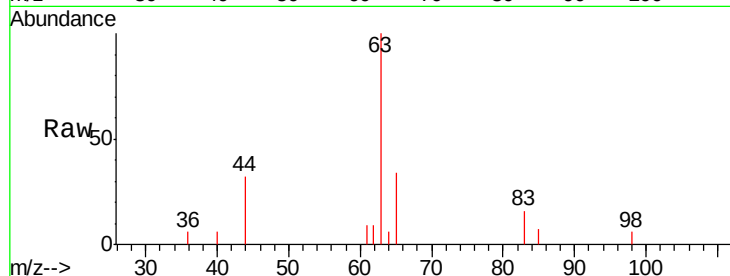
Tgt Ion: 63 Resp: 3734

Ion Ratio Lower Upper

63 100

65 34.1 22.4 41.6

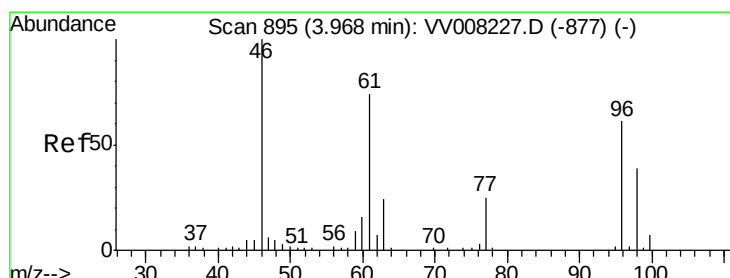
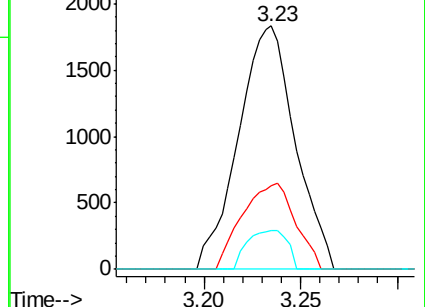
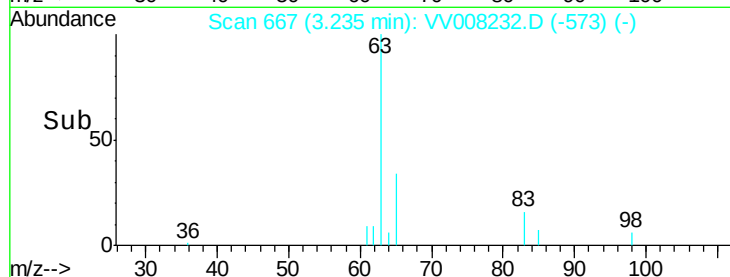
83 16.0 9.6 17.8



Abundance Ion 63.10 (62.80 to 63.80): VV008232.D (-573) (-)

Ion 65.10 (64.80 to 65.80): VV008232.D (-573) (-)

Ion 83.05 (82.75 to 83.75): VV008232.D (-573) (-)



#22

cis-1,2-Dichloroethene

Concen: 31.73 ug/L

RT: 3.97 min Scan# 895

Delta R.T. -0.00 min

Lab File: VV008232.D

Acq: 10 Oct 2018 14:04

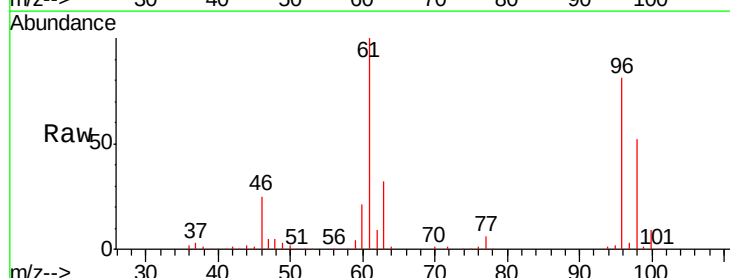
Tgt Ion: 96 Resp: 187757

Ion Ratio Lower Upper

96 100

61 123.0 85.1 158.1

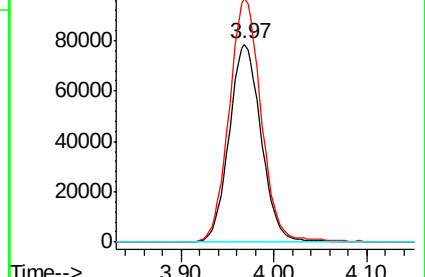
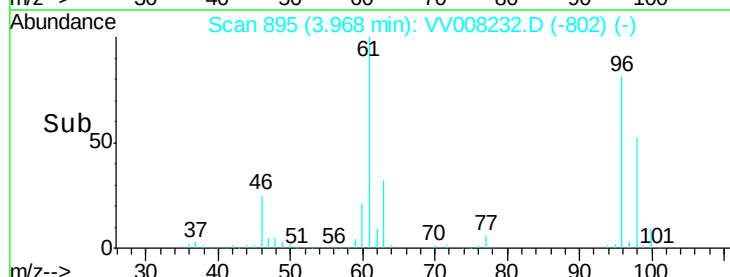
68 0.0 0.0 0.0

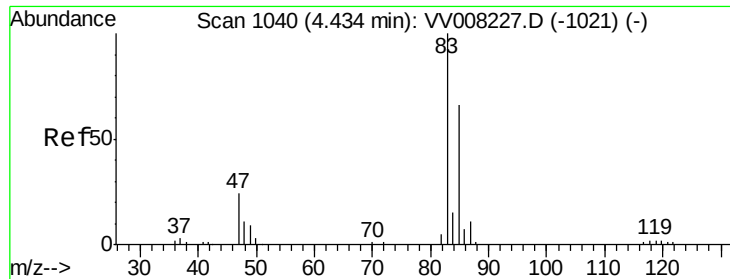


Abundance Ion 96.00 (95.70 to 96.70): VV008232.D (-802) (-)

Ion 61.05 (60.75 to 61.75): VV008232.D (-802) (-)

Ion 68.15 (67.85 to 68.85): VV008232.D (-802) (-)

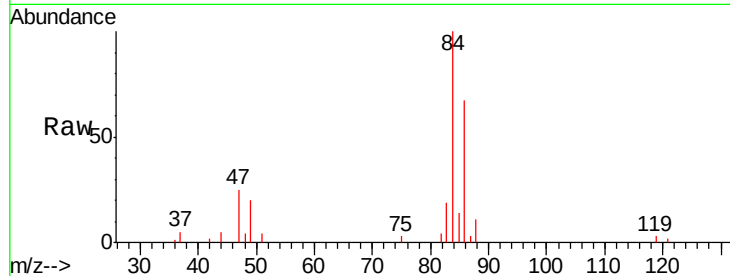




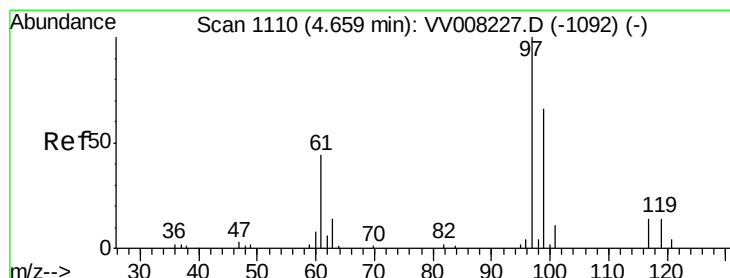
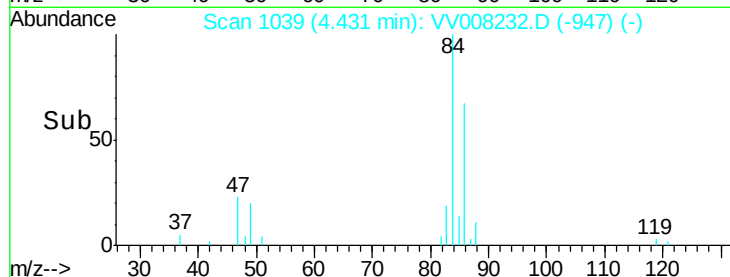
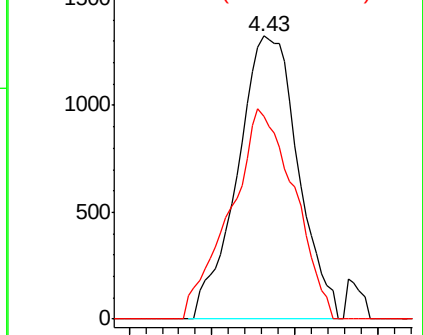
#25
Chloroform
Concen: 0.31 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. -0.00 min
Lab File: VV008232.D
Acq: 10 Oct 2018 14:04

Instrument :
MSVOA_V
ClientSampled :
C0J92

Tgt Ion: 83 Resp: 3379
Ion Ratio Lower Upper
83 100
85 71.7 44.6 82.8

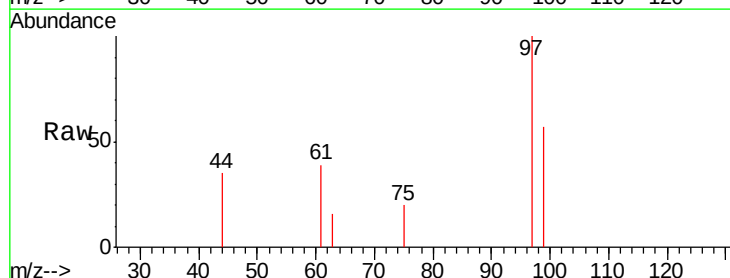


Abundance Ion 83.05 (82.75 to 83.75): VV0
Ion 85.00 (84.70 to 85.70): VV0

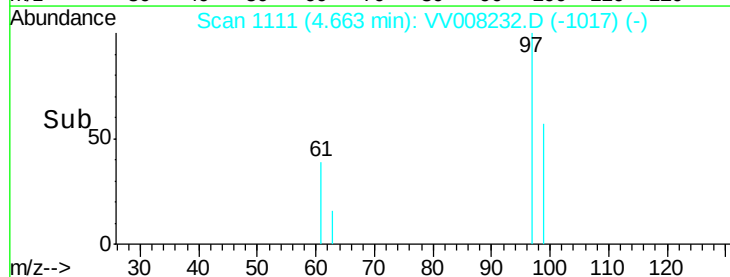
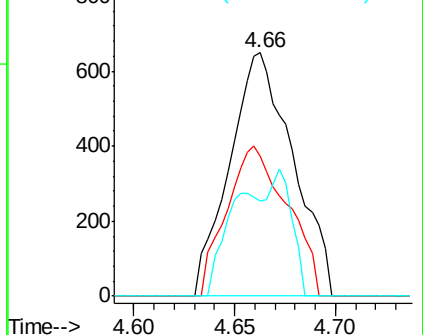


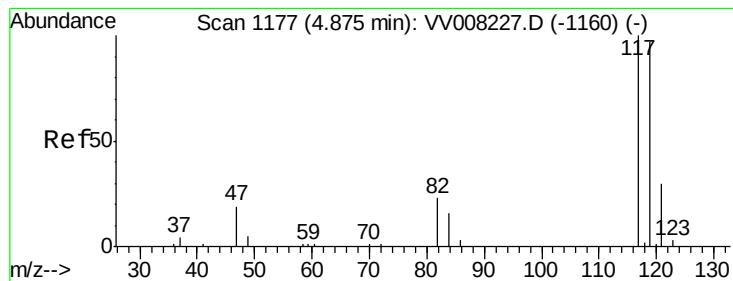
#29
1,1,1-Trichloroethane
Concen: 0.15 ug/L
RT: 4.66 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VV008232.D
Acq: 10 Oct 2018 14:04

Tgt Ion: 97 Resp: 1419
Ion Ratio Lower Upper
97 100
99 58.9 51.0 76.4
61 24.5 34.0 51.0#



Abundance Ion 96.95 (96.65 to 97.65): VV0
Ion 99.05 (98.75 to 99.75): VV0
Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 0.29 ug/L

RT: 4.88 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VV008232.D

Acq: 10 Oct 2018 14:04

Instrument :

MSVOA_V

ClientSampleId :

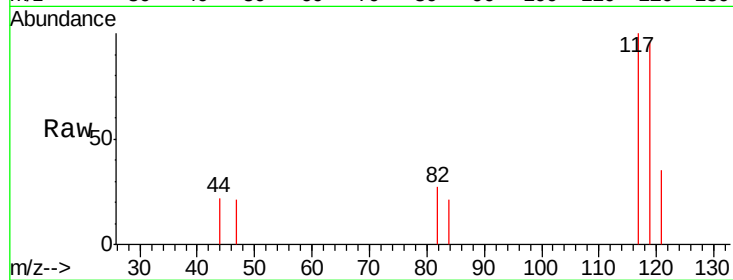
C0J92

Tgt Ion: 117 Resp: 2522

Ion Ratio Lower Upper

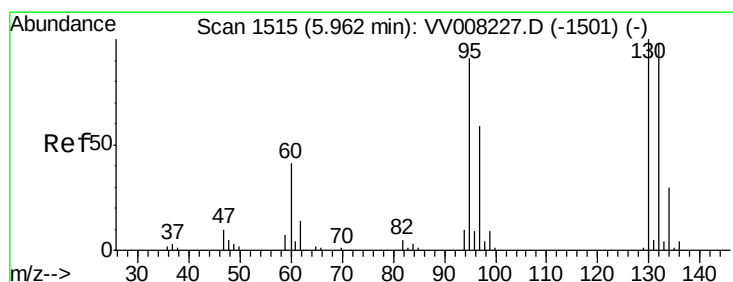
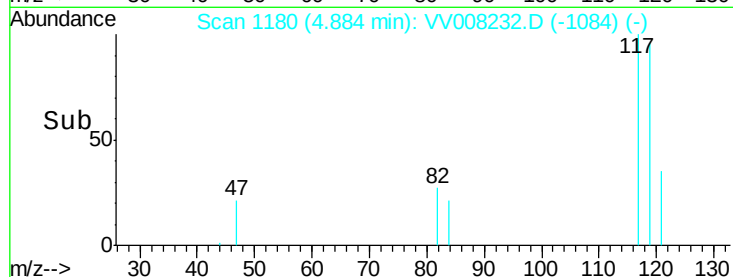
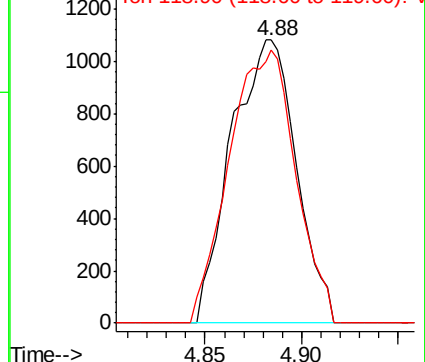
117 100

119 98.8 76.3 114.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#34

Trichloroethene

Concen: 18.17 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.00 min

Lab File: VV008232.D

Acq: 10 Oct 2018 14:04

Tgt Ion: 95 Resp: 116524

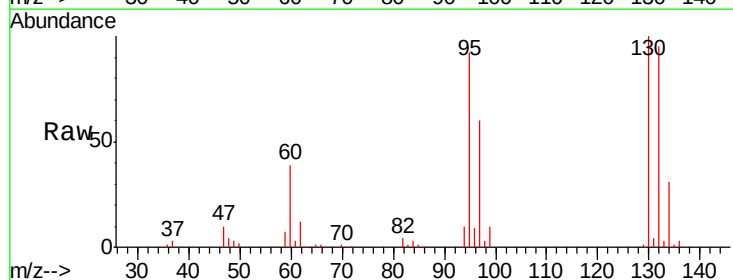
Ion Ratio Lower Upper

95 100

97 65.4 44.9 83.5

132 103.8 73.6 136.6

130 109.1 76.2 141.6

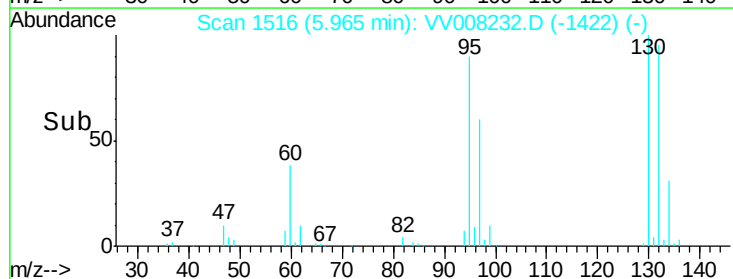
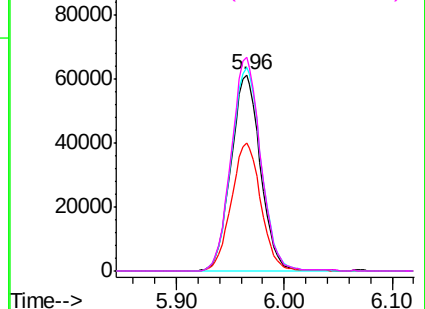


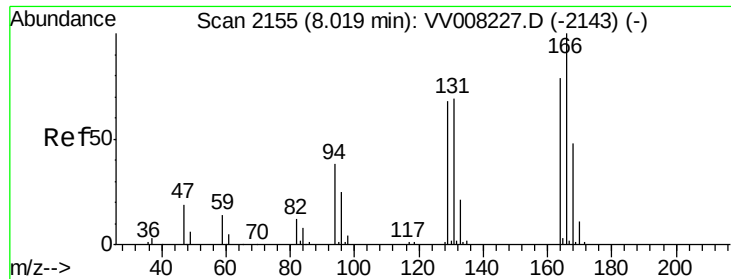
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



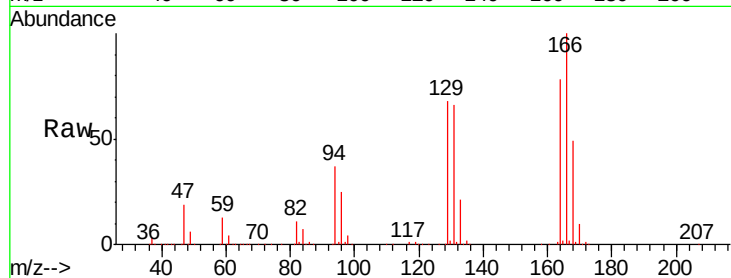


#47
Tetrachloroethene
Concen: 253.38 ug/L
RT: 8.03 min Scan# 2157
Delta R.T. 0.01 min
Lab File: VV008232.D
Acq: 10 Oct 2018 14:04

Instrument :
MSVOA_V
ClientSampleId :
C0J92

Tgt Ion:164 Resp: 1451292

Ion	Ratio	Lower	Upper
164	100		
129	87.0	62.2	115.4
131	84.8	60.5	112.5
166	128.5	92.1	171.1



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

