

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV042719\
 Data File : VV010519.D
 Acq On : 27 Apr 2019 00:57
 Operator : SY/MD
 Sample : K2536-16
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0WZ3

Quant Time: Apr 27 03:39:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Apr 27 03:37:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	219839	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	224353	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	101560	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	57535	5.38	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	107.60%
7) Chloroethane-d5	1.57	69	38863	6.79	ug/L	-0.01
Spiked Amount	5.000	Range	65 - 130	Recovery	=	135.80%#
11) 1,1-Dichloroethene-d2	2.13	63	84406	4.20	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.00%
20) 2-Butanone-d5	3.94	46	142192	51.56	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.12%
24) Chloroform-d	4.40	84	151061	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.40%
26) 1,2-Dichloroethane-d4	5.08	65	71667	5.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.40%
32) Benzene-d6	5.09	84	295883	5.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.80%
36) 1,2-Dichloropropane-d6	6.12	67	82379	5.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.40%
41) Toluene-d8	7.36	98	264689	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.00%
43) trans-1,3-Dichloropropene-	7.66	79	28204	4.67	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.40%
46) 2-Hexanone-d5	8.13	63	127219	49.95	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.90%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	59092	4.72	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	118965	6.08	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	121.60%#

Target Compounds

					Qvalue
3) Chloromethane	1.25	50	1037	0.089 ug/L #	55
9) Trichlorofluoromethane	1.76	101	37447	1.561 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1094	0.092 ug/L #	20
13) Acetone	2.20	43	19595	14.263 ug/L	93
15) Methyl Acetate	2.47	43	861	0.189 ug/L #	44
21) 2-Butanone	4.13	43	86588	30.493 ug/L #	46
25) Chloroform	4.43	83	2309	0.081 ug/L #	63
34) Trichloroethene	5.96	95	7191	0.426 ug/L	97
35) Methylcyclohexane	6.11	83	21724	0.991 ug/L #	20
37) 1,2-Dichloropropane	6.11	63	10000	0.747 ug/L #	88
39) cis-1,3-Dichloropropene	7.03	75	2327	0.120 ug/L	92
42) Toluene	7.43	91	4546	0.071 ug/L	85
44) trans-1,3-Dichloropropene	7.66	75	1911	0.126 ug/L #	81
47) Tetrachloroethene	8.02	164	34637	2.195 ug/L	98
49) Dibromochloromethane	8.02	129	27610	1.979 ug/L #	12
59) 1,2,3-Trichloropropane	10.06	75	1843	0.215 ug/L #	41

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QLast Update : Sat Apr 27 03:37:03 2019
Response via : Initial Calibration

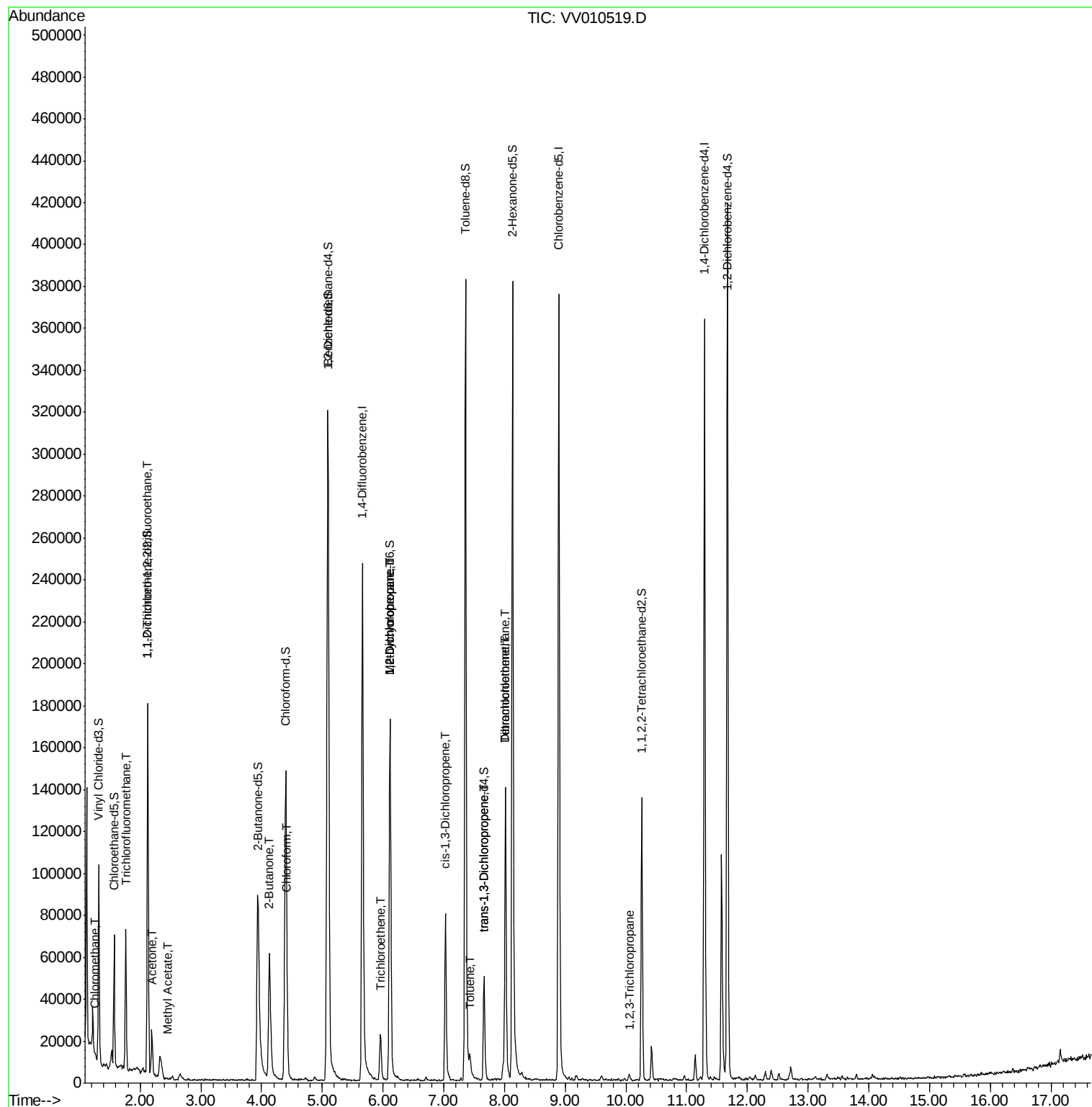
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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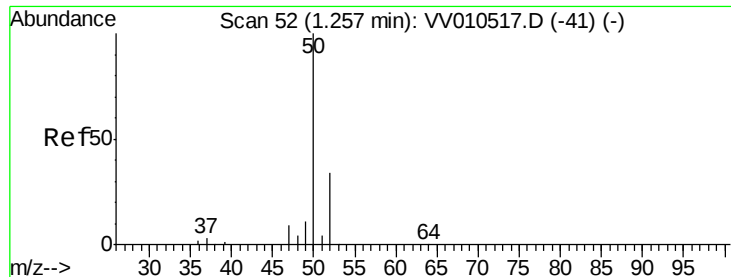
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.089 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV010519.D

Acq: 27 Apr 2019 00:57

Instrument :

MSVOA_V

ClientSampled :

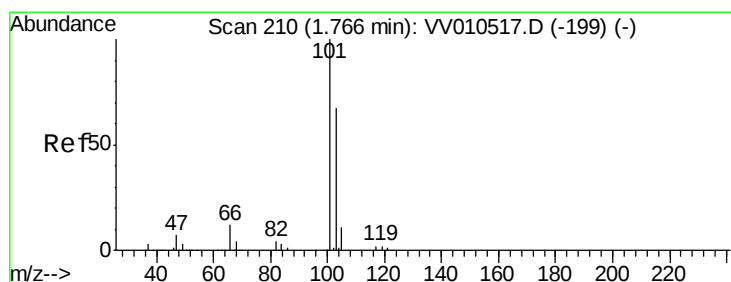
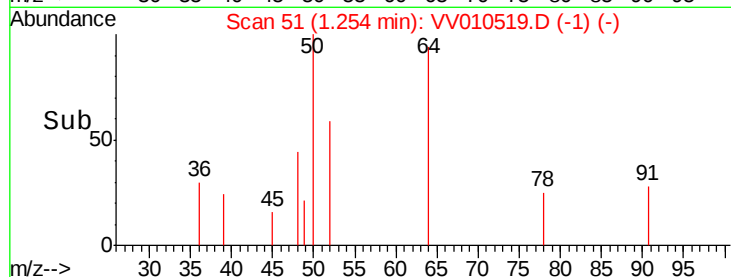
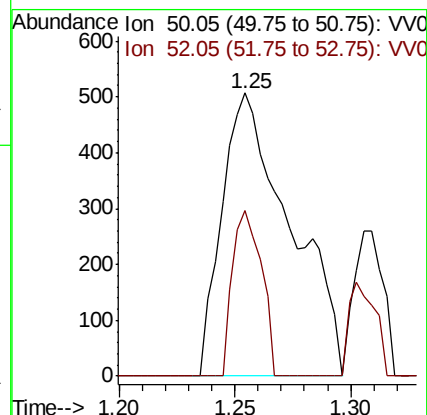
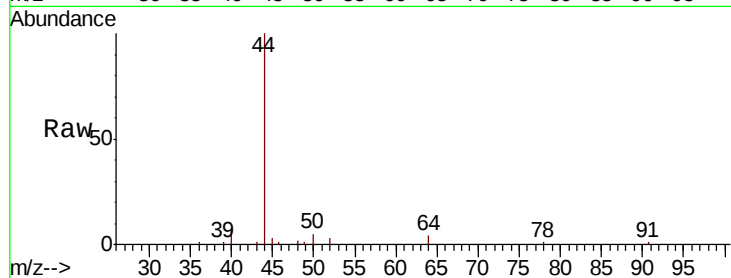
C0WZ3

Tgt Ion: 50 Resp: 1037

Ion Ratio Lower Upper

50 100

52 58.6 23.3 43.3#



#9

Trichlorofluoromethane

Concen: 1.561 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV010519.D

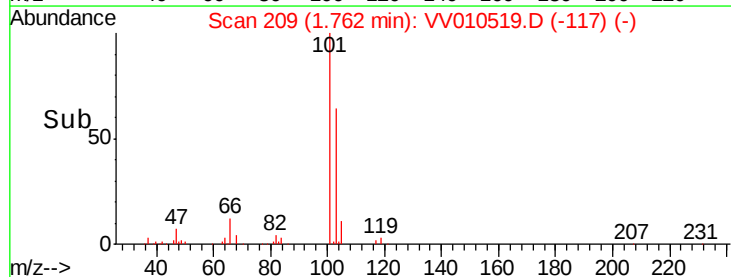
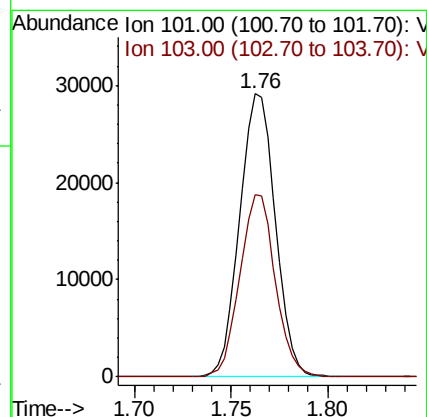
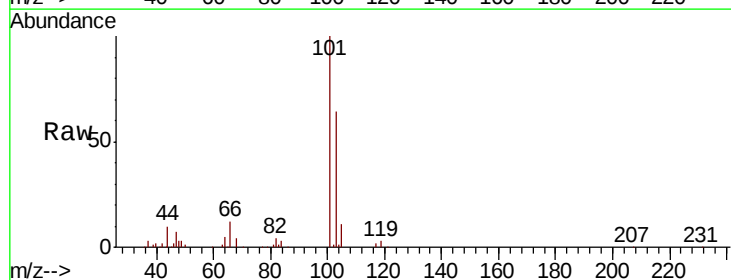
Acq: 27 Apr 2019 00:57

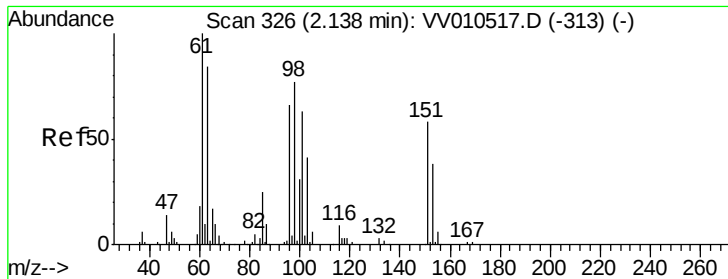
Tgt Ion: 101 Resp: 37447

Ion Ratio Lower Upper

101 100

103 63.7 50.5 75.7





#10

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

Concen: 0.092 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV010519.D

Acq: 27 Apr 2019 00:57

Instrument :

MSVOA_V

ClientSampleId :

C0WZ3

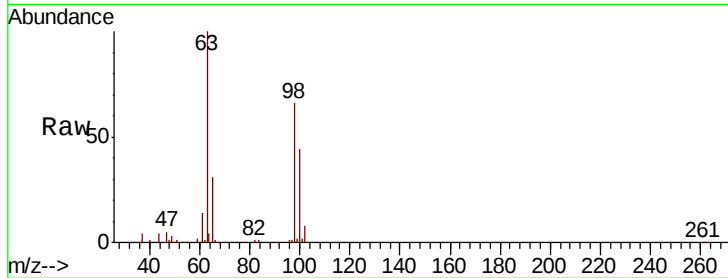
Tgt Ion: 101 Resp: 1094

Ion Ratio Lower Upper

101 100

85 3.7 34.2 51.4#

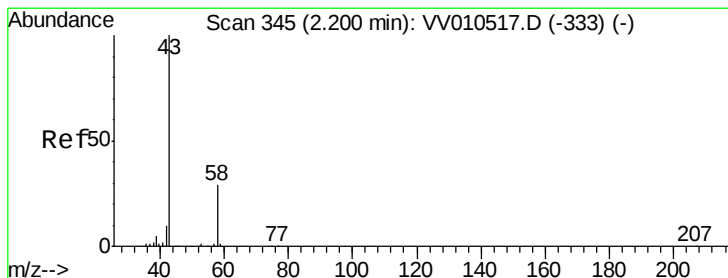
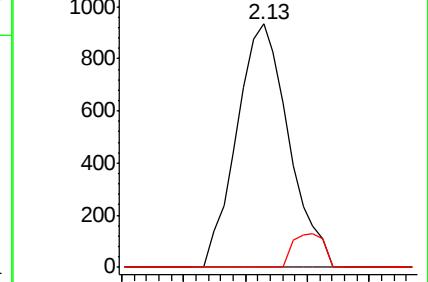
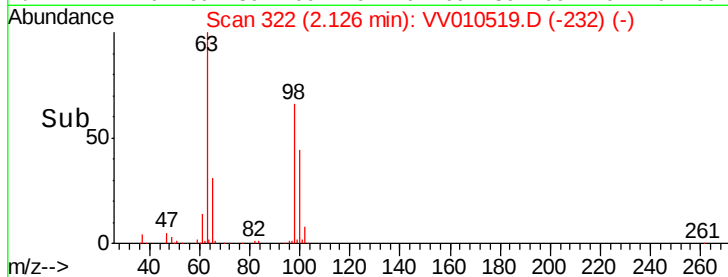
151 8.3 75.2 112.8#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#13

Acetone

Concen: 14.263 ug/L

RT: 2.20 min Scan# 344

Delta R.T. -0.02 min

Lab File: VV010519.D

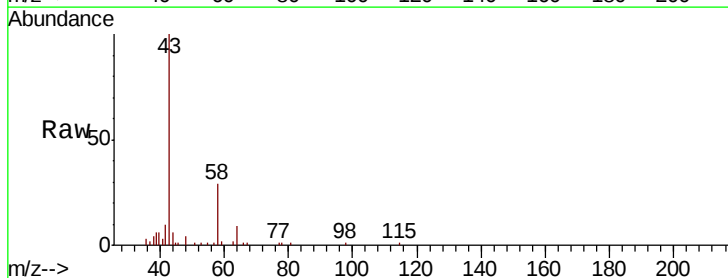
Acq: 27 Apr 2019 00:57

Tgt Ion: 43 Resp: 19595

Ion Ratio Lower Upper

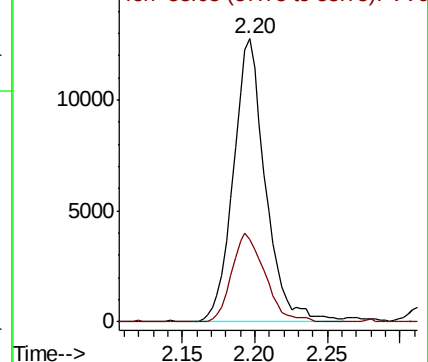
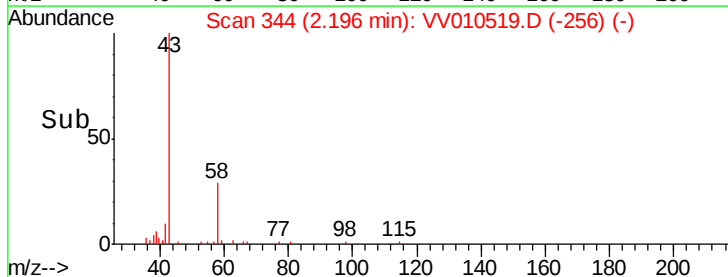
43 100

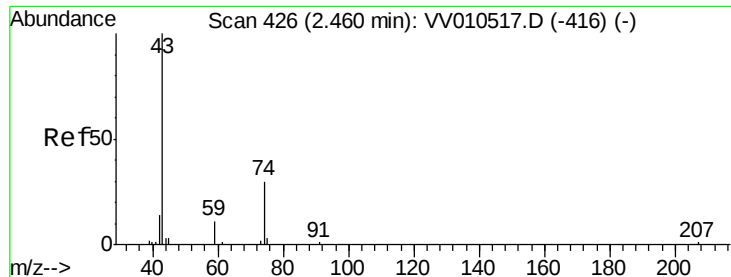
58 32.2 0.0 57.4



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

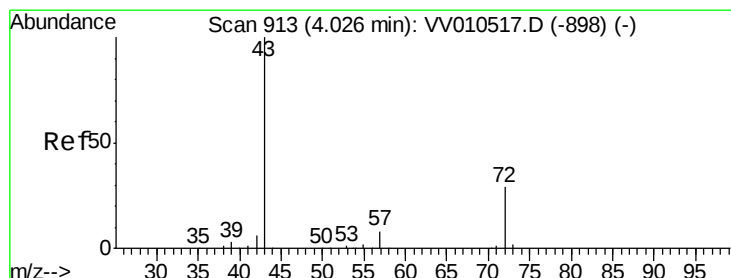
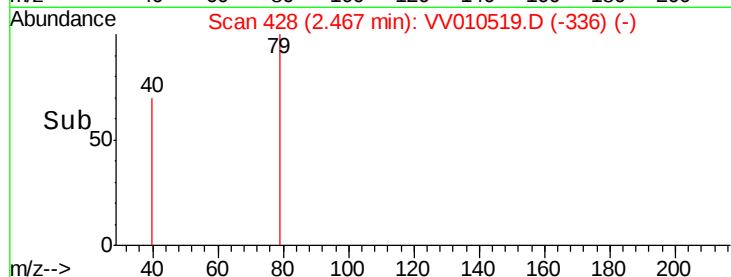
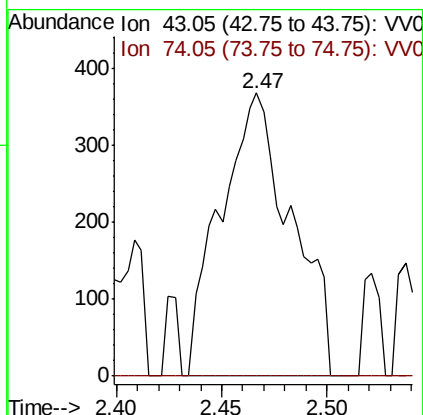
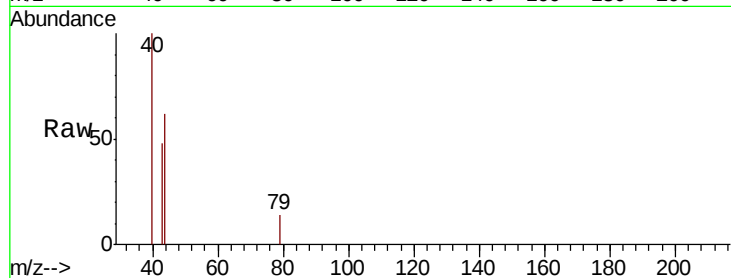




#15
Methyl Acetate
Concen: 0.189 ug/L
RT: 2.47 min Scan# 428
Delta R.T. -0.00 min
Lab File: VV010519.D
Acq: 27 Apr 2019 00:57

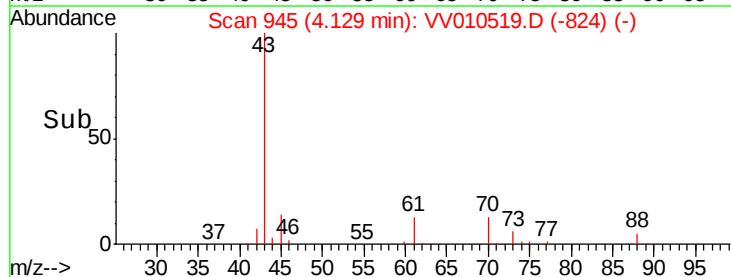
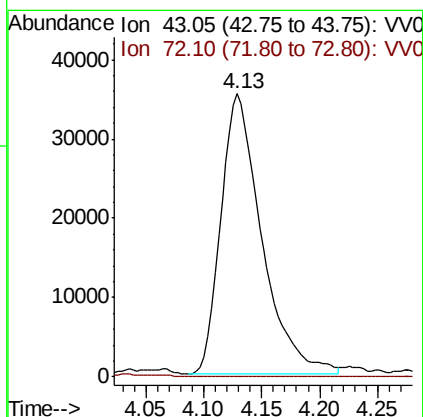
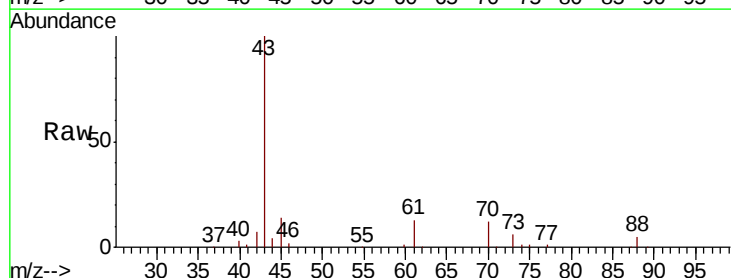
Instrument :
MSVOA_V
ClientSampleId :
C0WZ3

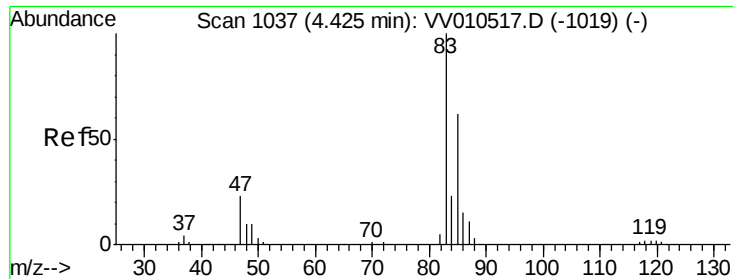
Tgt Ion: 43 Resp: 861
Ion Ratio Lower Upper
43 100
74 0.0 24.2 36.2#



#21
2-Butanone
Concen: 30.493 ug/L
RT: 4.13 min Scan# 945
Delta R.T. 0.09 min
Lab File: VV010519.D
Acq: 27 Apr 2019 00:57

Tgt Ion: 43 Resp: 86588
Ion Ratio Lower Upper
43 100
72 0.1 14.6 43.8#





#25

Chloroform

Concen: 0.081 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. -0.00 min

Lab File: VV010519.D

Acq: 27 Apr 2019 00:57

Instrument :

MSVOA_V

ClientSampleId :

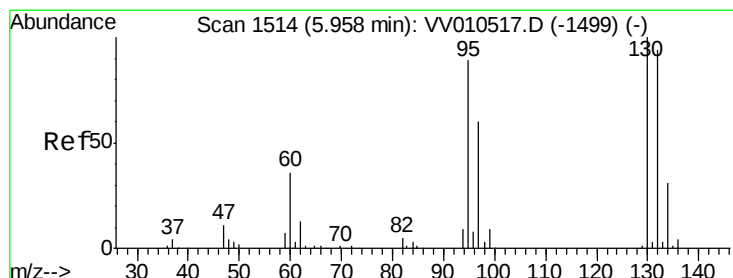
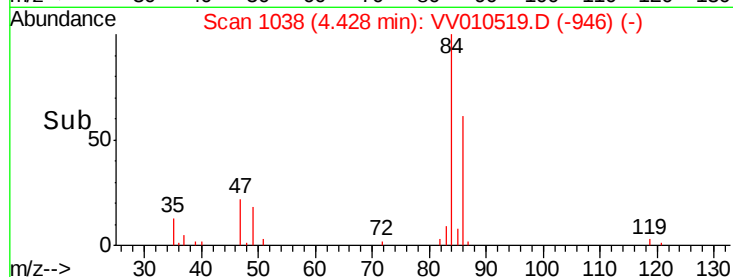
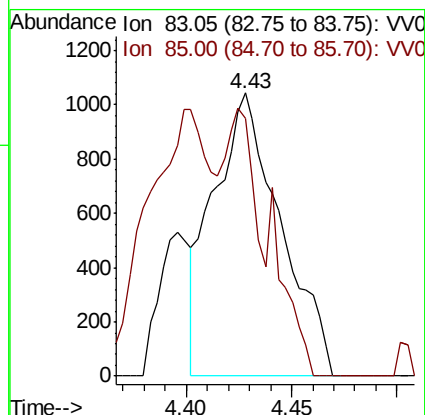
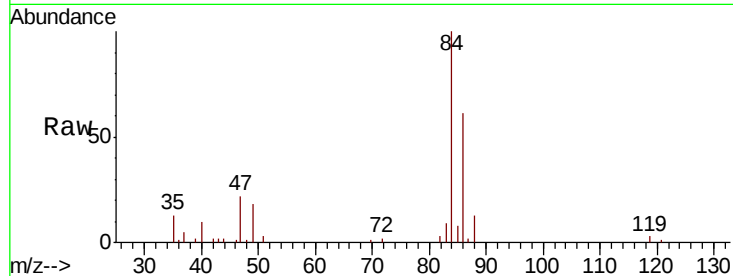
C0WZ3

Tgt Ion: 83 Resp: 2309

Ion Ratio Lower Upper

83 100

85 90.9 43.6 81.0#



#34

Trichloroethene

Concen: 0.426 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV010519.D

Acq: 27 Apr 2019 00:57

Tgt Ion: 95 Resp: 7191

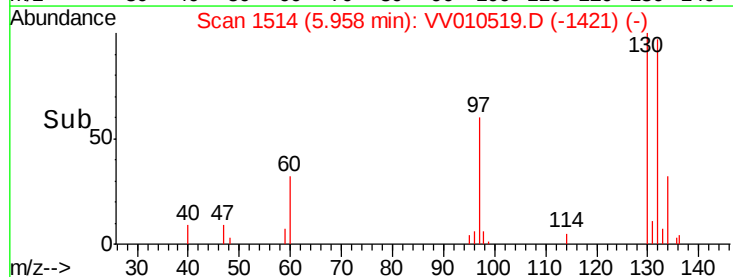
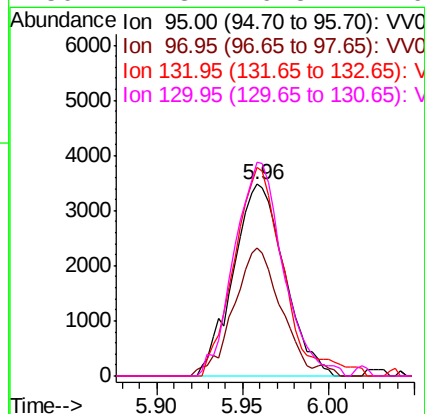
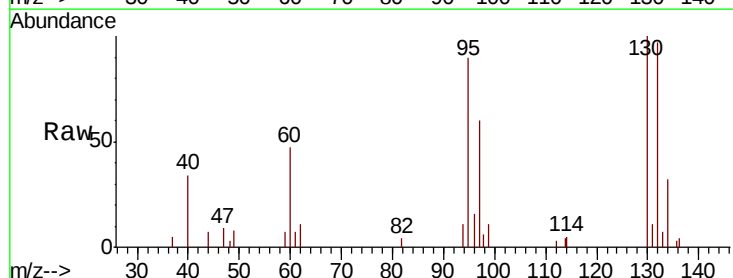
Ion Ratio Lower Upper

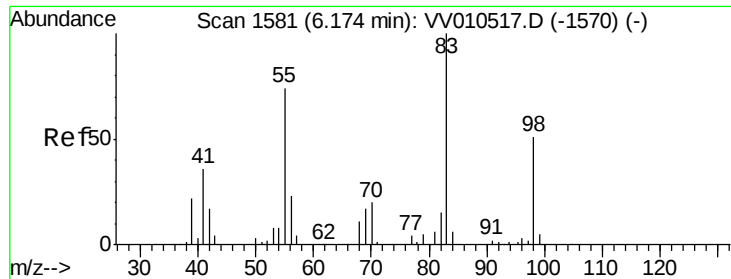
95 100

97 67.0 43.3 80.5

132 108.5 74.1 137.5

130 111.3 79.5 147.6

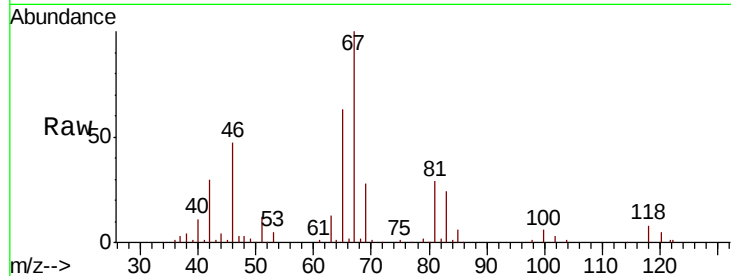




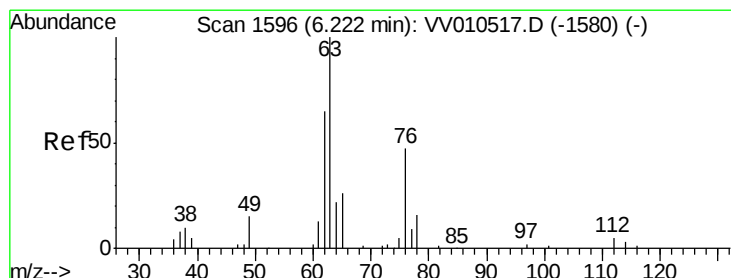
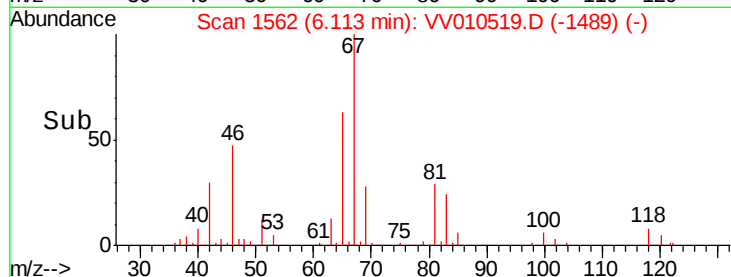
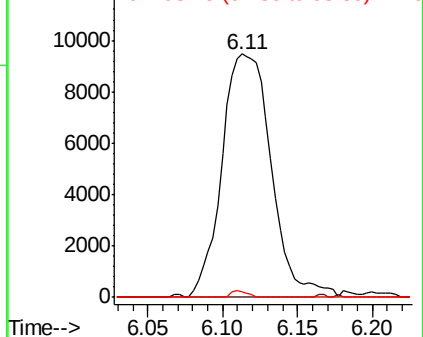
#35
Methylcyclohexane
Concen: 0.991 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.06 min
Lab File: VV010519.D
Acq: 27 Apr 2019 00:57

Instrument :
MSVOA_V
ClientSampleId :
COWZ3

Tgt Ion: 83 Resp: 21724
Ion Ratio Lower Upper
83 100
55 0.2 58.0 87.0#
98 0.9 40.4 60.6#

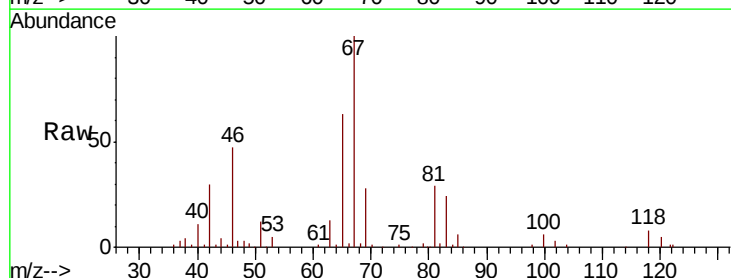


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

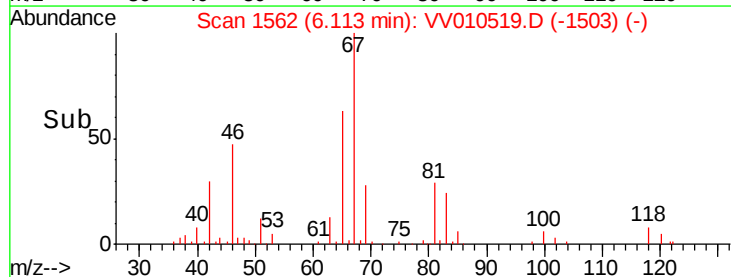
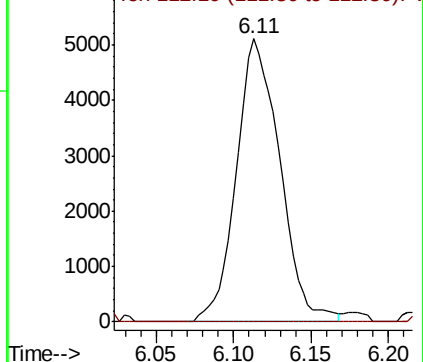


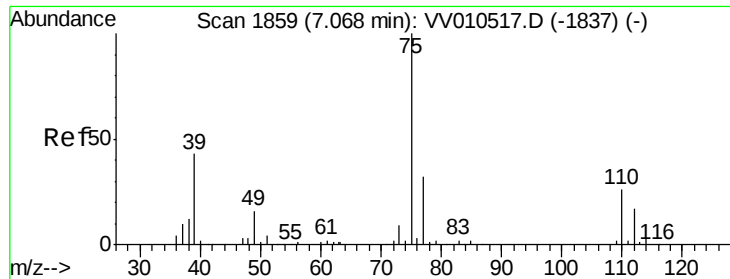
#37
1,2-Dichloropropane
Concen: 0.747 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.11 min
Lab File: VV010519.D
Acq: 27 Apr 2019 00:57

Tgt Ion: 63 Resp: 10000
Ion Ratio Lower Upper
63 100
112 0.8 3.7 5.5#



Abundance Ion 63.10 (62.80 to 63.80): VV0
Ion 112.10 (111.80 to 112.80): V

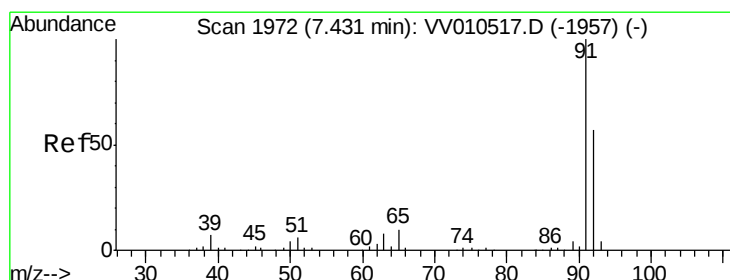
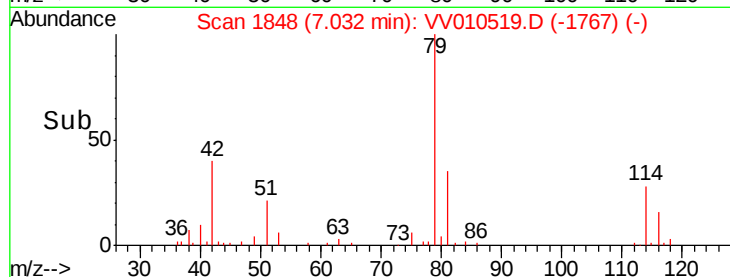
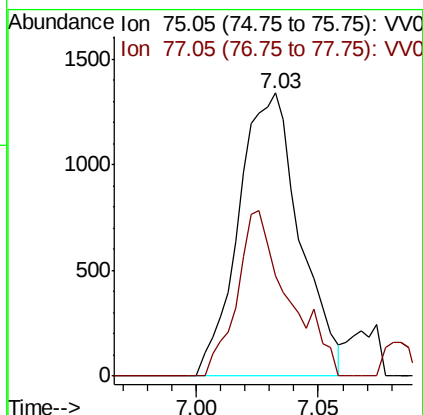
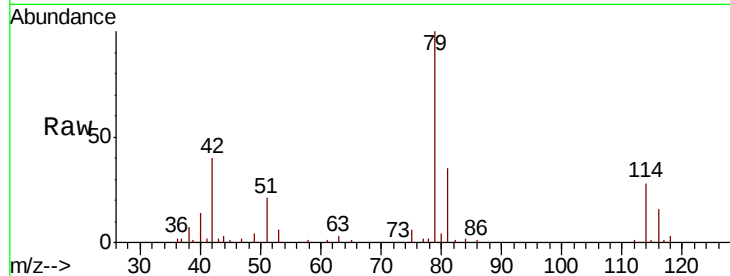




#39
 cis-1,3-Dichloropropene
 Concen: 0.120 ug/L
 RT: 7.03 min Scan# 1848
 Delta R.T. -0.04 min
 Lab File: VV010519.D
 Acq: 27 Apr 2019 00:57

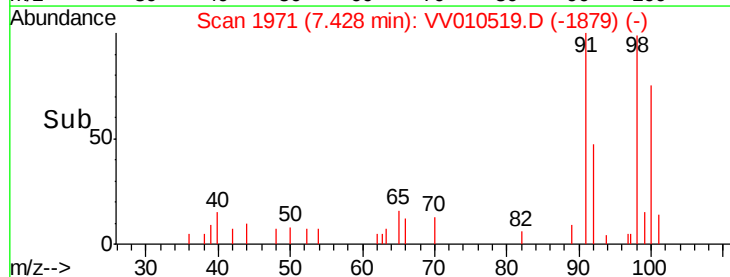
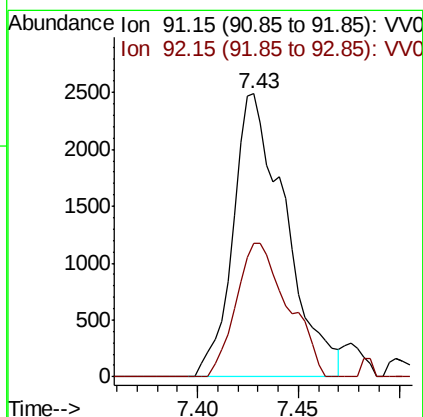
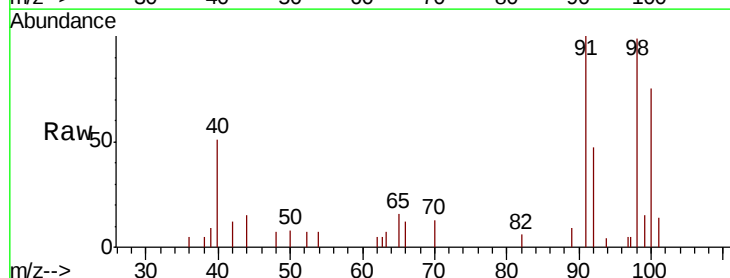
Instrument :
 MSVOA_V
 ClientSampleId :
 COWZ3

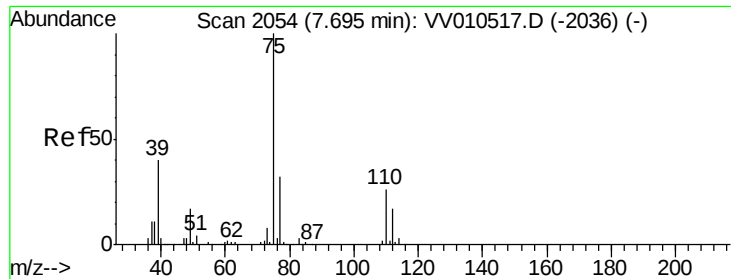
Tgt Ion: 75 Resp: 2327
 Ion Ratio Lower Upper
 75 100
 77 35.4 21.6 40.0



#42
 Toluene
 Concen: 0.071 ug/L
 RT: 7.43 min Scan# 1971
 Delta R.T. -0.00 min
 Lab File: VV010519.D
 Acq: 27 Apr 2019 00:57

Tgt Ion: 91 Resp: 4546
 Ion Ratio Lower Upper
 91 100
 92 47.1 41.1 76.3





#44

trans-1,3-Dichloropropene

Concen: 0.126 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV010519.D

Acq: 27 Apr 2019 00:57

Instrument :

MSVOA_V

ClientSampleId :

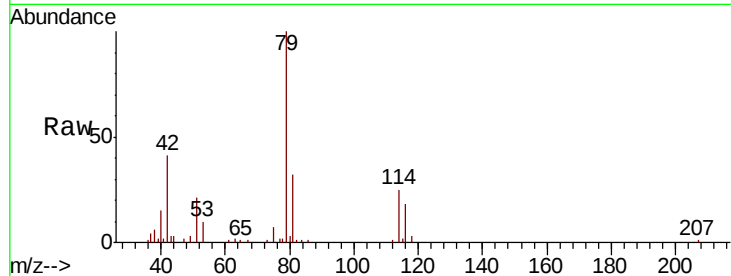
COWZ3

Tgt Ion: 75 Resp: 1911

Ion Ratio Lower Upper

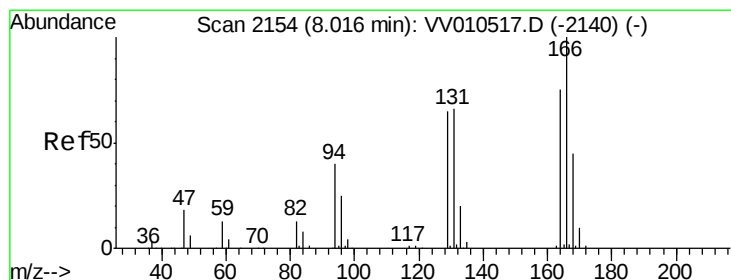
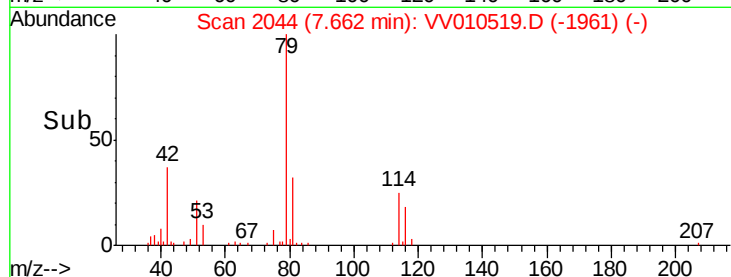
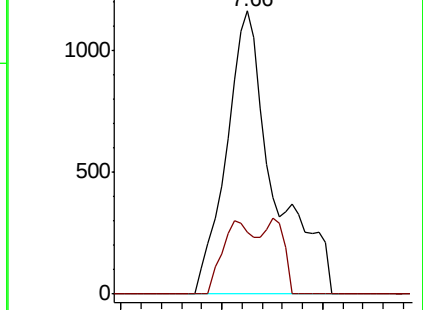
75 100

77 22.0 23.0 42.6#



Abundance Ion 75.05 (74.75 to 75.75): VV010519.D (-1961) (-)

Ion 77.05 (76.75 to 77.75): VV010519.D (-1961) (-)



#47

Tetrachloroethene

Concen: 2.195 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV010519.D

Acq: 27 Apr 2019 00:57

Tgt Ion: 164 Resp: 34637

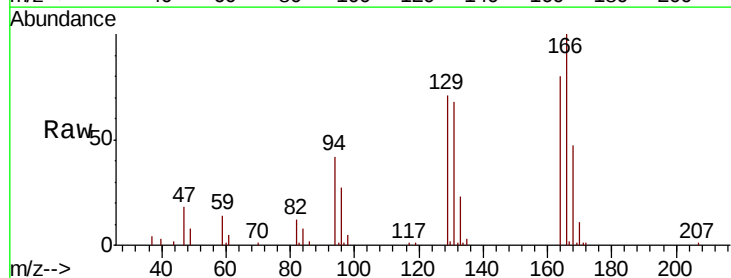
Ion Ratio Lower Upper

164 100

129 88.4 62.2 115.4

131 84.6 61.5 114.1

166 125.4 89.1 165.5

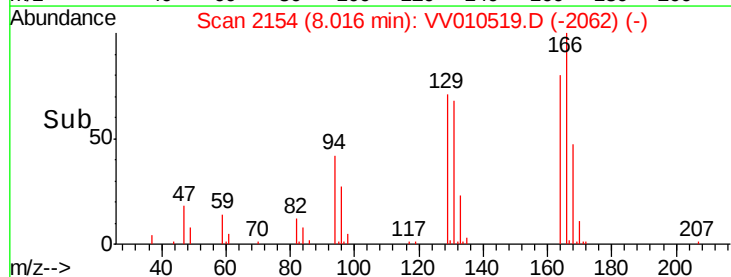
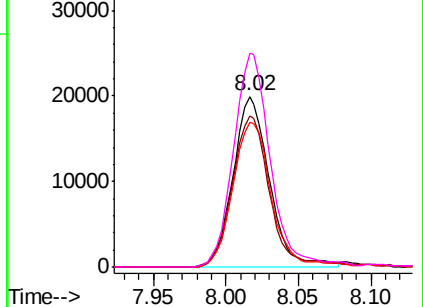


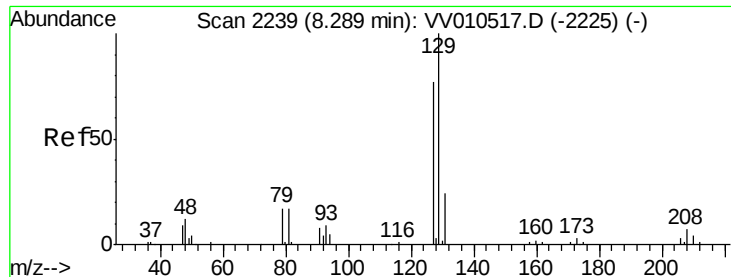
Abundance Ion 163.90 (163.60 to 164.60): VV010519.D (-2062) (-)

Ion 128.95 (128.65 to 129.65): VV010519.D (-2062) (-)

Ion 130.95 (130.65 to 131.65): VV010519.D (-2062) (-)

Ion 165.90 (165.60 to 166.60): VV010519.D (-2062) (-)





#49

Dibromochloromethane

Concen: 1.979 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.28 min

Lab File: VV010519.D

Acq: 27 Apr 2019 00:57

Instrument :

MSVOA_V

ClientSampleId :

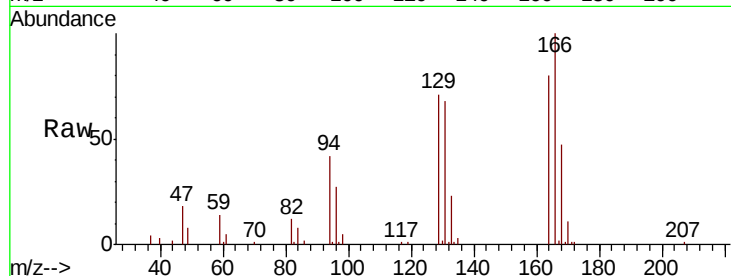
C0WZ3

Tgt Ion:129 Resp: 27610

Ion Ratio Lower Upper

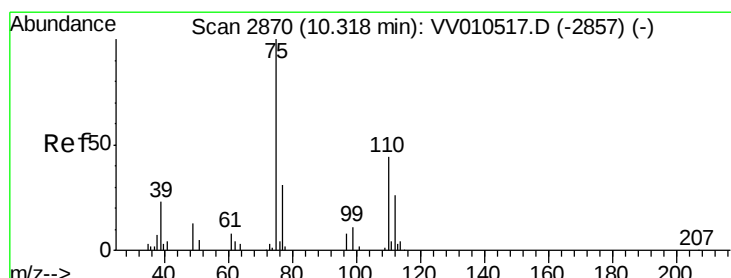
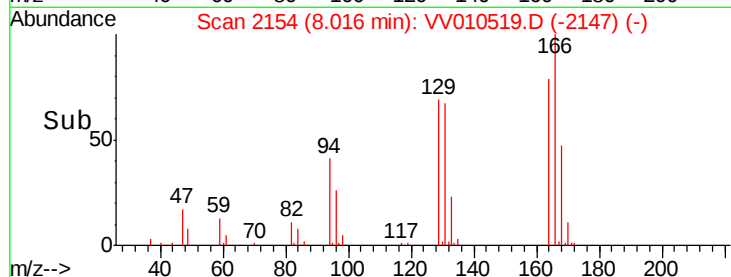
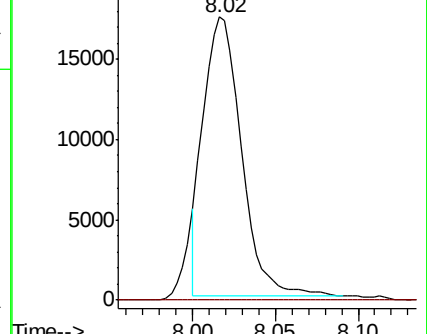
129 100

127 0.0 51.9 96.5#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#59

1,2,3-Trichloropropane

Concen: 0.215 ug/L

RT: 10.06 min Scan# 2789

Delta R.T. -0.26 min

Lab File: VV010519.D

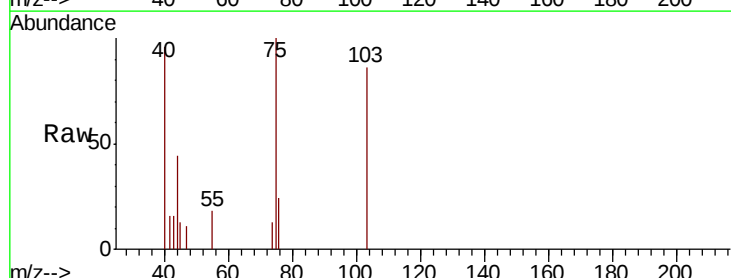
Acq: 27 Apr 2019 00:57

Tgt Ion: 75 Resp: 1843

Ion Ratio Lower Upper

75 100

77 0.0 26.9 40.3#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

