

Data File : VV009966.D
Acq On : 28 Mar 2019 15:28
Operator : SY/MD
Sample : K2101-13
Misc : 5.16G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF0C7

Quant Time: Mar 29 02:23:27 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM032619S.M
Quant Title : VOC Analysis
QLast Update : Fri Mar 29 02:19:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	142923	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	144998	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	61150	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	67950	23.43	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.72%
7) Chloroethane-d5	1.57	69	75758	24.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.72%
10) 1,1-Dichloroethene-d2	2.13	63	146582	18.48	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	73.92%
20) 2-Butanone-d5	4.09	46	231	0.43	ug/L	0.14
Spiked Amount	50.000	Range	20 - 135	Recovery	=	0.86%#
24) Chloroform-d	4.40	84	81028	22.25	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.00%
26) 1,2-Dichloroethane-d4	5.08	65	58022	26.48	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.92%
29) Benzene-d6	5.10	84	186943	24.55	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	98.20%
33) 1,2-Dichloropropane-d6	6.12	67	56067	25.17	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	100.68%
37) Toluene-d8	7.36	98	166395	23.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.36%
38) trans-1,3-Dichloropropene-	7.67	79	19755	21.68	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.72%
39) 2-Hexanone-d5	8.13	63	20267	48.74	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	97.48%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	52097	23.62	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	94.48%
61) 1,2-Dichlorobenzene-d4	11.67	152	57719	24.79	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.16%

Target Compounds

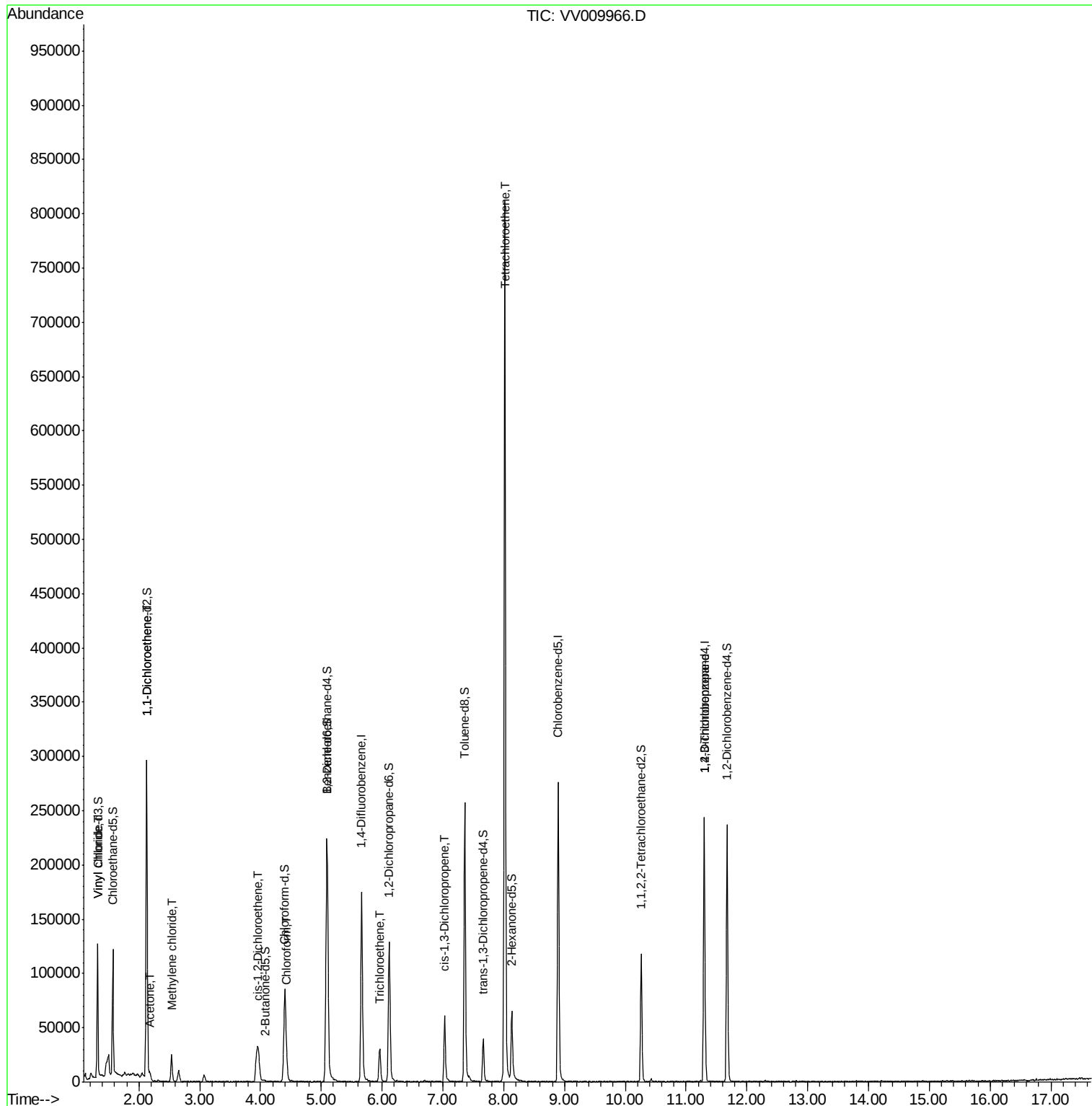
					Qvalue
5) Vinyl chloride	1.32	62	2166	0.651 ug/L #	16
12) 1,1-Dichloroethene	2.14	96	3427	0.980 ug/L #	1
13) Acetone	2.19	43	2808	3.432 ug/L	78
16) Methylene chloride	2.53	84	9399	3.993 ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	12866	6.222 ug/L	93
25) Chloroform	4.43	83	11019	2.910 ug/L	91
35) Trichloroethene	5.96	95	9947	4.736 ug/L	92
42) cis-1,3-Dichloropropene	7.02	75	1899	0.655 ug/L #	67
47) Tetrachloroethene	8.02	164	158362	95.552 ug/L	98
59) 1,2,3-Trichloropropane	11.30	75	9697	6.057 ug/L	95

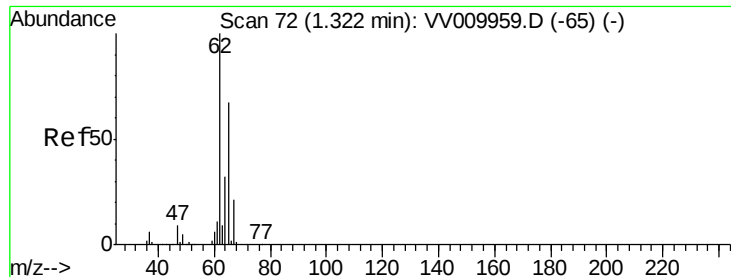
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.651 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

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MSVOA_V

ClientSampleId :

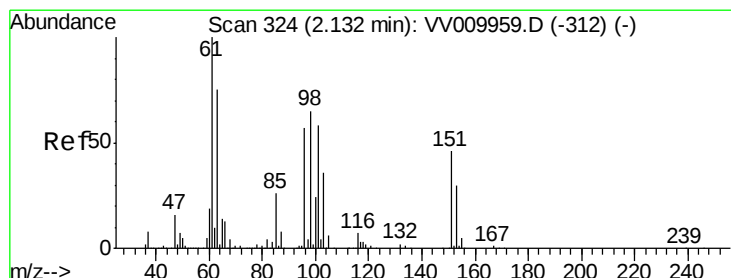
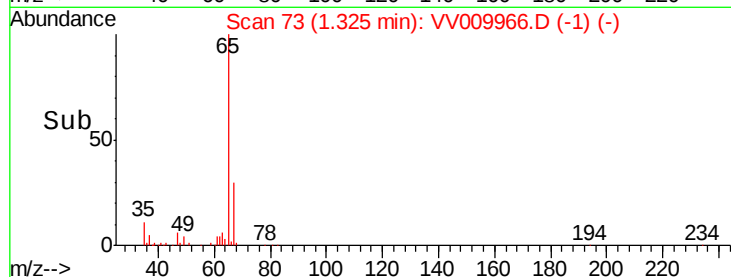
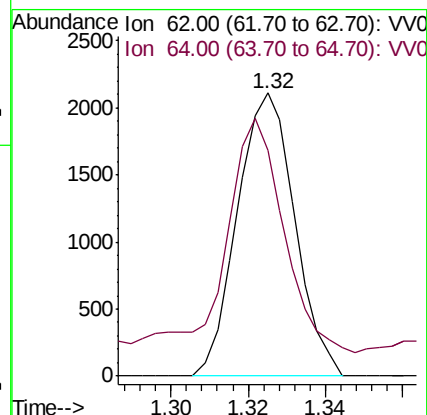
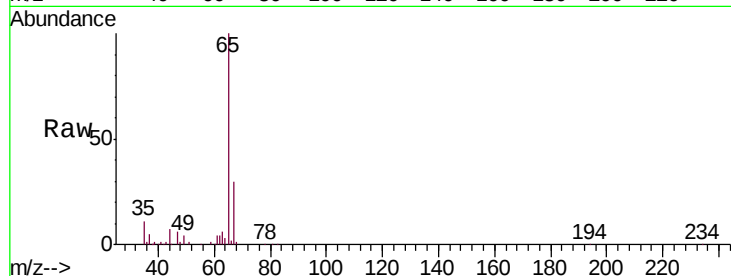
BF0C7

Tgt Ion: 62 Resp: 2166

Ion Ratio Lower Upper

62 100

64 79.8 22.8 42.4#



#12

1,1-Dichloroethene

Concen: 0.980 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.01 min

Lab File: VV009966.D

Acq: 28 Mar 2019 15:28

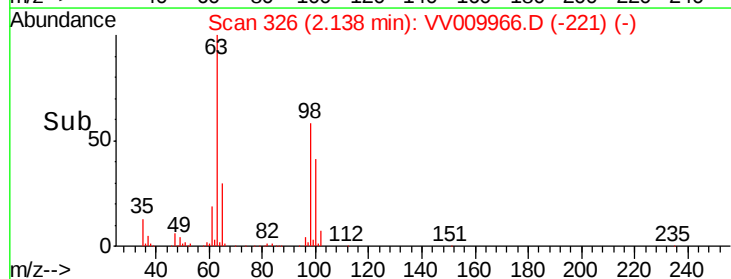
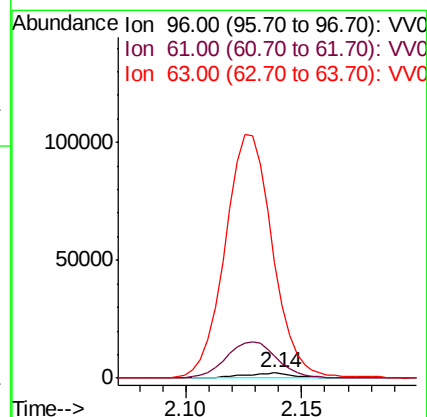
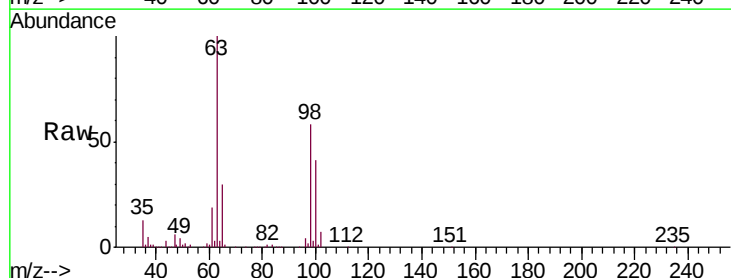
Tgt Ion: 96 Resp: 3427

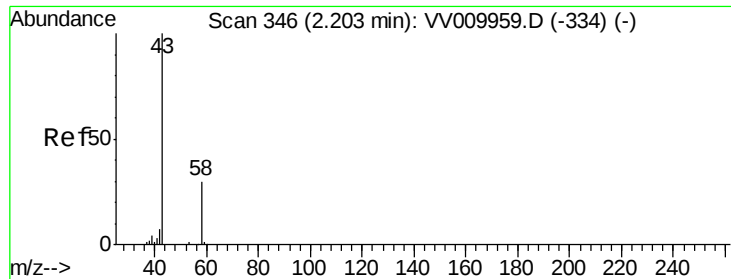
Ion Ratio Lower Upper

96 100

61 439.3 124.3 230.8#

63 2330.1 88.2 163.8#





#13

Acetone

Concen: 3.432 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.01 min

Lab File: VV009966.D

Acq: 28 Mar 2019 15:28

Instrument :

MSVOA_V

ClientSampleId :

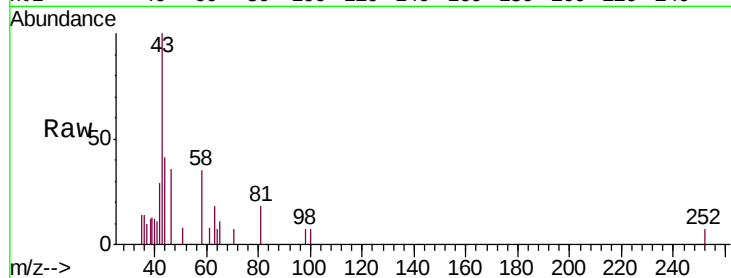
BF0C7

Tgt Ion: 43 Resp: 2808

Ion Ratio Lower Upper

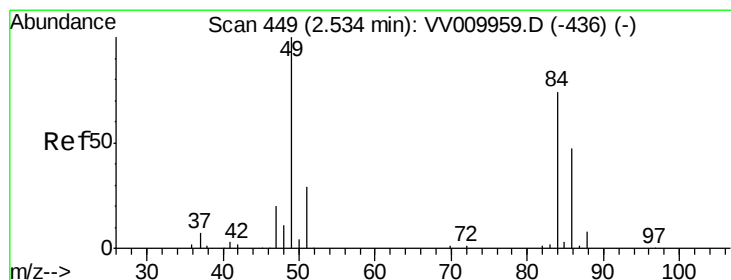
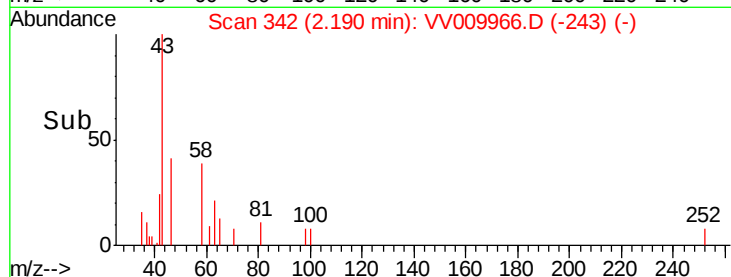
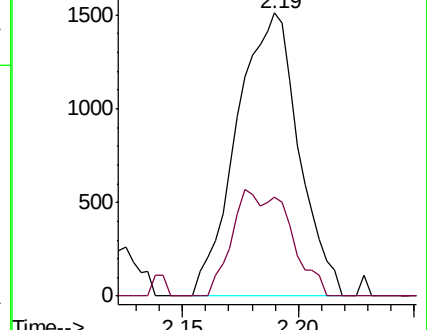
43 100

58 17.7 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VV009959.D (-334) (-)

Ion 58.00 (57.70 to 58.70): VV009959.D (-334) (-)



#16

Methylene chloride

Concen: 3.993 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

Lab File: VV009966.D

Acq: 28 Mar 2019 15:28

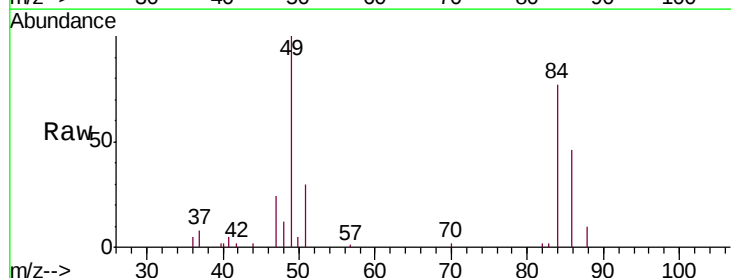
Tgt Ion: 84 Resp: 9399

Ion Ratio Lower Upper

84 100

49 129.8 90.4 167.8

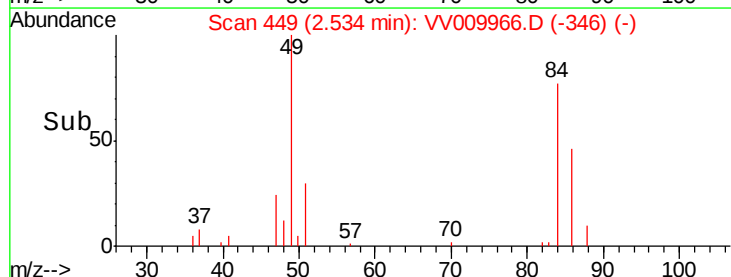
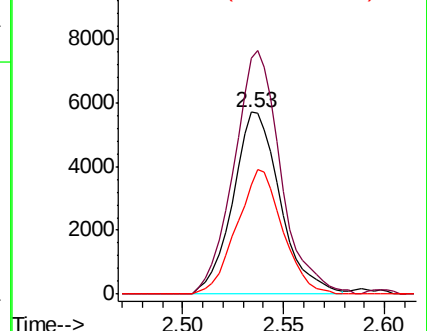
86 59.9 44.0 81.6

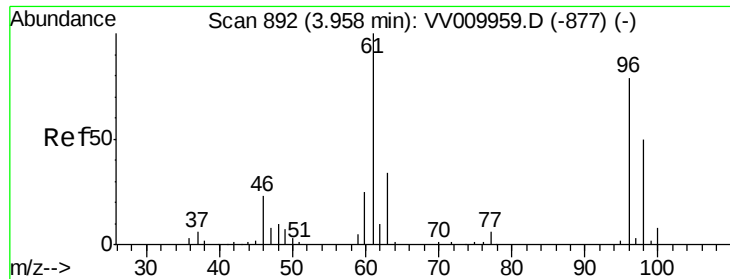


Abundance Ion 84.00 (83.70 to 84.70): VV009959.D (-436) (-)

Ion 49.00 (48.70 to 49.70): VV009959.D (-436) (-)

Ion 86.00 (85.70 to 86.70): VV009959.D (-436) (-)

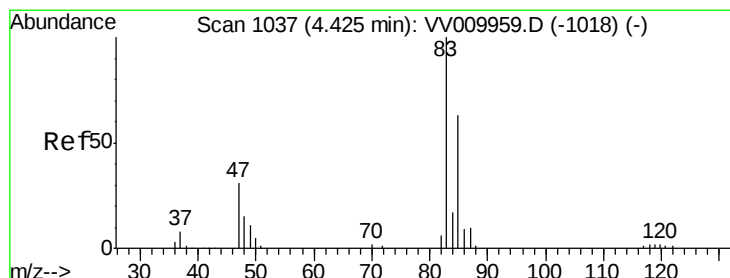
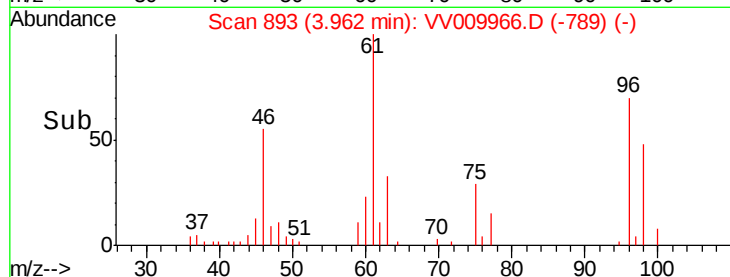
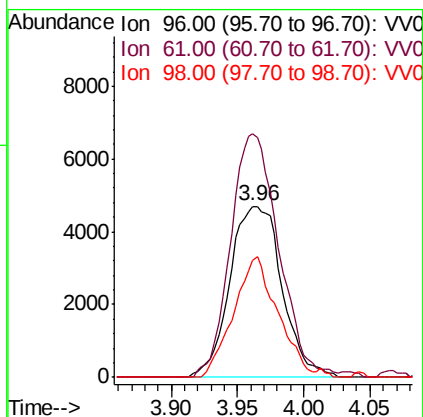
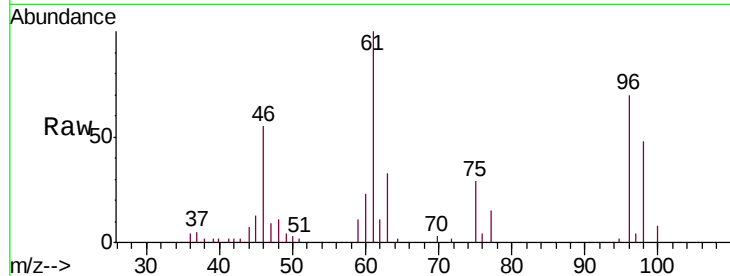




#22
 cis-1,2-Dichloroethene
 Concen: 6.222 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV009966.D
 Acq: 28 Mar 2019 15:28

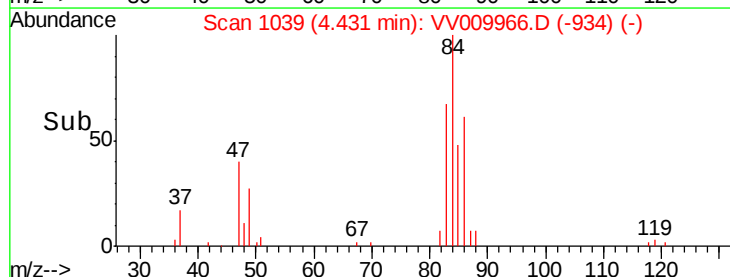
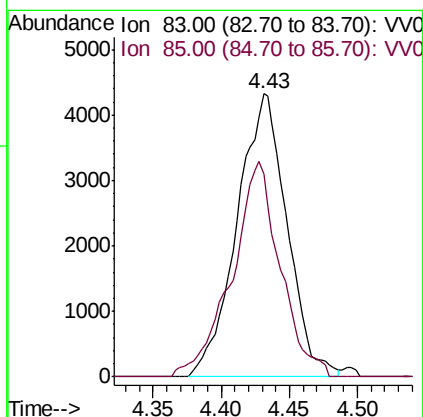
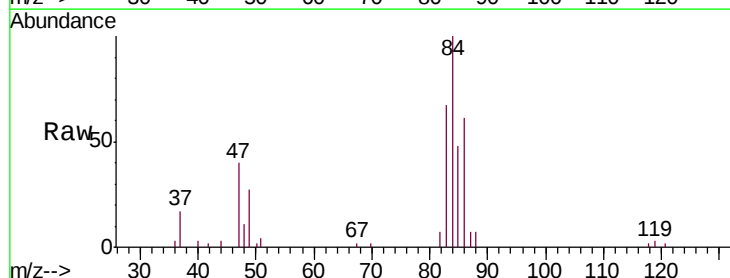
Instrument :
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 ClientSampleId :
 BF0C7

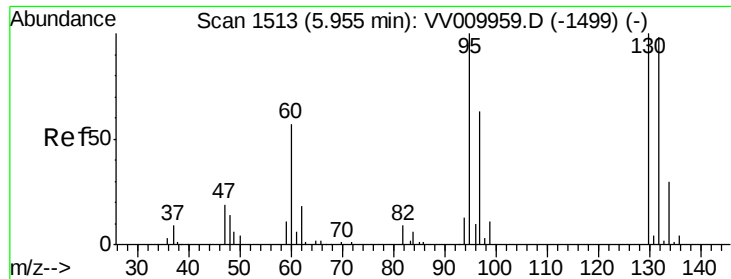
Tgt Ion: 96 Resp: 12866
 Ion Ratio Lower Upper
 96 100
 61 142.3 91.4 169.8
 98 68.1 48.0 89.2



#25
 Chloroform
 Concen: 2.910 ug/L
 RT: 4.43 min Scan# 1039
 Delta R.T. 0.01 min
 Lab File: VV009966.D
 Acq: 28 Mar 2019 15:28

Tgt Ion: 83 Resp: 11019
 Ion Ratio Lower Upper
 83 100
 85 73.4 46.1 85.7





#35

Trichloroethene

Concen: 4.736 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.01 min

Lab File: VV009966.D

Acq: 28 Mar 2019 15:28

Instrument :

MSVOA_V

ClientSampleId :

BF0C7

Tgt Ion: 95 Resp: 9947

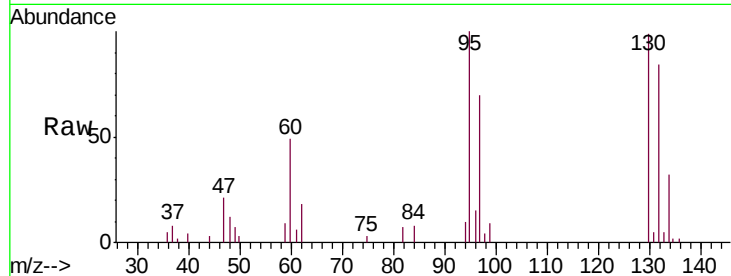
Ion Ratio Lower Upper

95 100

97 67.5 46.3 85.9

132 82.8 69.3 128.7

130 95.6 69.5 129.1

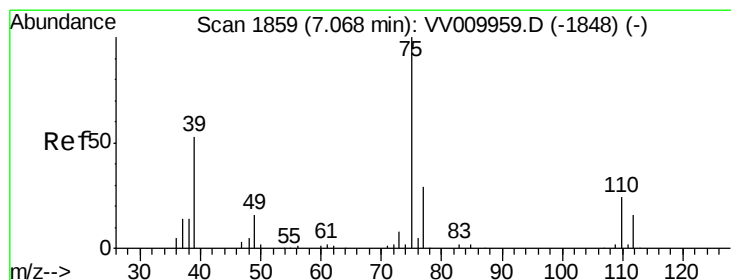
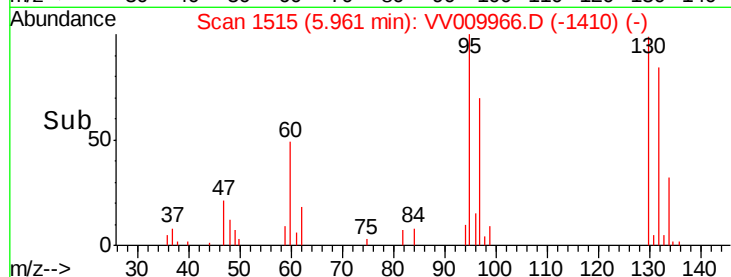
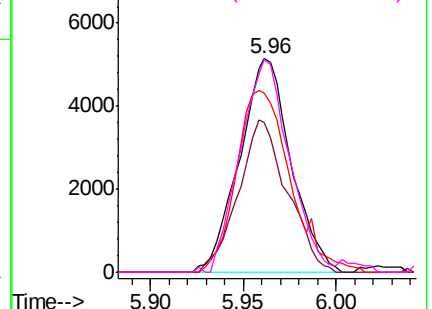


Abundance Ion 95.00 (94.70 to 95.70): VV009959.D (-1499) (-)

Ion 97.00 (96.70 to 97.70): VV009959.D (-1499) (-)

Ion 132.00 (131.70 to 132.70): VV009959.D (-1499) (-)

Ion 130.00 (129.70 to 130.70): VV009959.D (-1499) (-)



#42

cis-1,3-Dichloropropene

Concen: 0.655 ug/L

RT: 7.02 min Scan# 1845

Delta R.T. -0.05 min

Lab File: VV009966.D

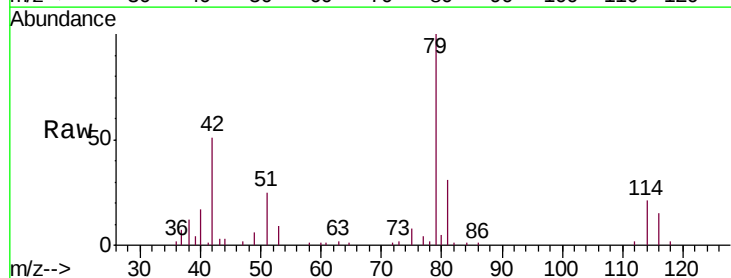
Acq: 28 Mar 2019 15:28

Tgt Ion: 75 Resp: 1899

Ion Ratio Lower Upper

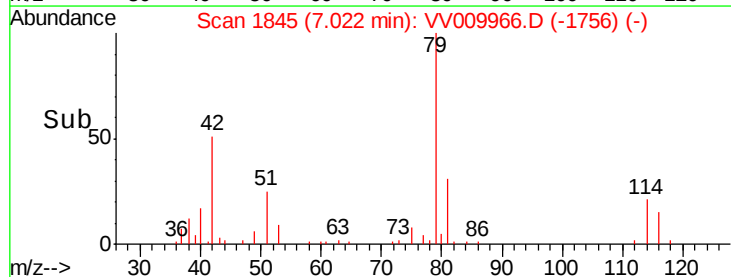
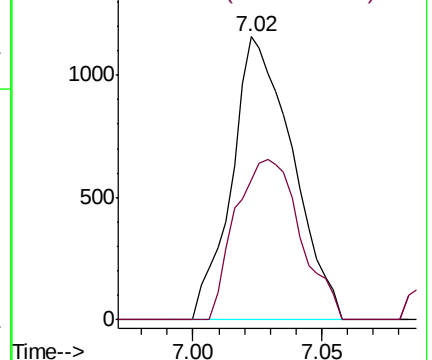
75 100

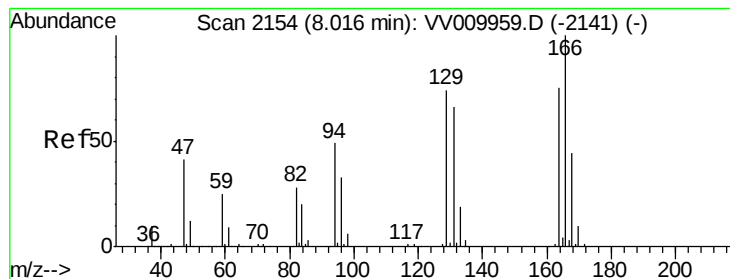
77 49.5 21.8 40.6#



Abundance Ion 75.00 (74.70 to 75.70): VV009959.D (-1848) (-)

Ion 77.00 (76.70 to 77.70): VV009959.D (-1848) (-)





#47

Tetrachloroethene

Concen: 95.552 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV009966.D

Acq: 28 Mar 2019 15:28

Instrument :

MSVOA_V

ClientSampleId :

BF0C7

Tgt Ion:164 Resp: 158362

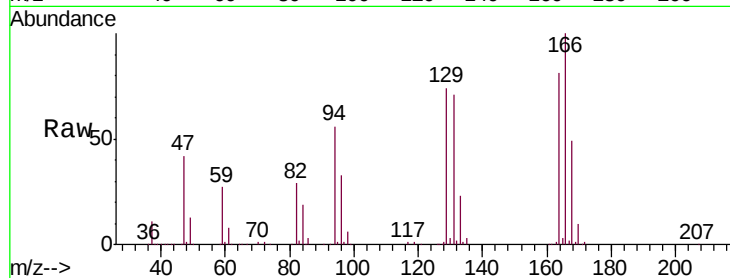
Ion Ratio Lower Upper

164 100

129 90.9 64.9 120.5

131 87.7 62.0 115.2

166 122.8 82.9 153.9

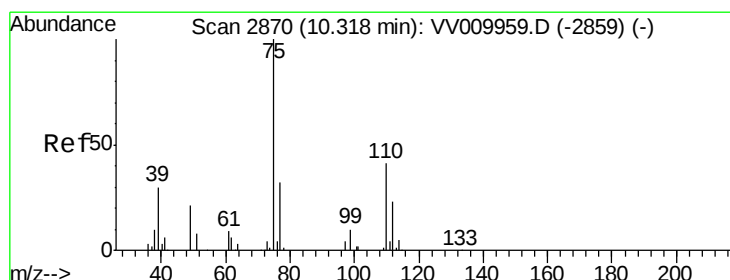
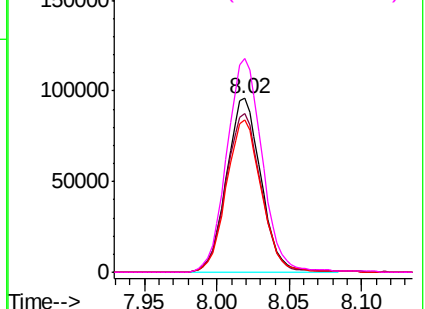
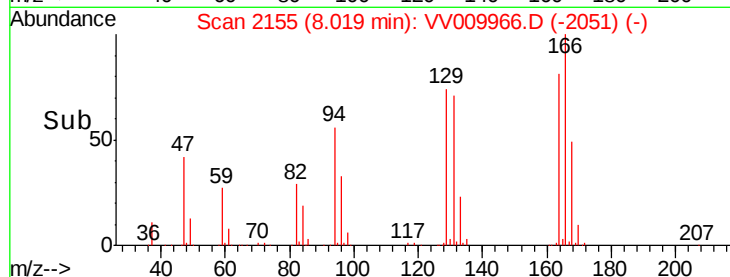


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#59

1,2,3-Trichloropropane

Concen: 6.057 ug/L

RT: 11.30 min Scan# 3175

Delta R.T. 0.98 min

Lab File: VV009966.D

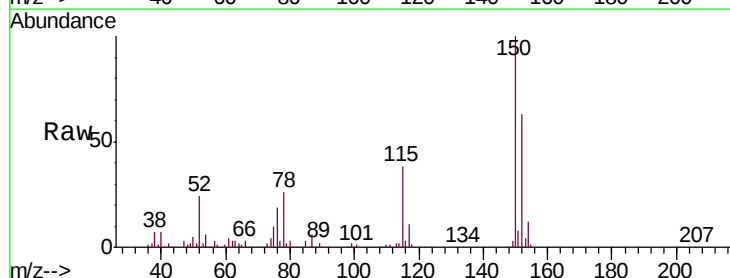
Acq: 28 Mar 2019 15:28

Tgt Ion: 75 Resp: 9697

Ion Ratio Lower Upper

75 100

77 35.8 26.2 39.2



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

