

Data File : VV014488.D
Acq On : 03 Feb 2020 16:52
Operator : SY/MD
Sample : L1326-07
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DBCS9

Quant Time: Feb 04 05:35:20 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM020120WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Feb 04 05:31:51 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	439515	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	410294	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	197334	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	121373	49.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.44%
7) Chloroethane-d5	1.58	69	89004	58.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	117.30%
11) 1,1-Dichloroethene-d2	2.13	63	146163	44.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.70%
21) 2-Butanone-d5	3.92	46	227983	138.81	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	138.81%#
24) Chloroform-d	4.40	84	304997	59.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	118.08%
26) 1,2-Dichloroethane-d4	5.07	65	190766	61.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	122.60%
32) Benzene-d6	5.09	84	636168	58.89	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	117.78%
36) 1,2-Dichloropropane-d6	6.11	67	204285	59.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	119.54%
41) Toluene-d8	7.35	98	587474	58.91	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	117.82%
43) trans-1,3-Dichloropropene-	7.66	79	104939	60.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	120.80%
47) 2-Hexanone-d5	8.12	63	180799	135.20	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	135.20%#
57) 1,1,2,2-Tetrachloroethane-	10.25	84	266410	60.50	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	121.00%#
64) 1,2-Dichlorobenzene-d4	11.67	152	222581	61.24	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	122.48%#

Target Compounds

						Qvalue
5) Vinyl chloride	1.33	62	14539	4.716	ug/L	85
8) Chloroethane	1.33	64	6141	4.536	ug/L	84
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1429	0.859	ug/L #	19
12) 1,1-Dichloroethene	2.13	96	1814	1.085	ug/L #	1
13) Acetone	2.18	43	26428	18.858	ug/L	97
14) Carbon disulfide	2.32	76	8621	1.050	ug/L	100
17) trans-1,2-Dichloroethene	2.79	96	17076	5.888	ug/L	98
20) cis-1,2-Dichloroethene	3.96	96	1697155	524.728	ug/L	99
22) 2-Butanone	4.02	43	4114	2.037	ug/L #	60
25) Chloroform	4.42	83	93996	17.635	ug/L	100
27) 1,2-Dichloroethane	5.18	62	7472	1.972	ug/L	99
34) Trichloroethene	5.96	95	56437	18.457	ug/L	96
44) trans-1,3-Dichloropropene	7.66	75	4350	0.985	ug/L	91
45) 1,1,2-Trichloroethane	7.88	97	16393	5.735	ug/L	95
46) Tetrachloroethene	8.01	164	32484	14.526	ug/L	97
49) Dibromochloromethane	8.01	129	31003	9.858	ug/L #	10
58) 1,1,2,2-Tetrachloroethane	10.28	83	3579	0.784	ug/L #	88

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV020320\
Quantitation Report (Not Reviewed)

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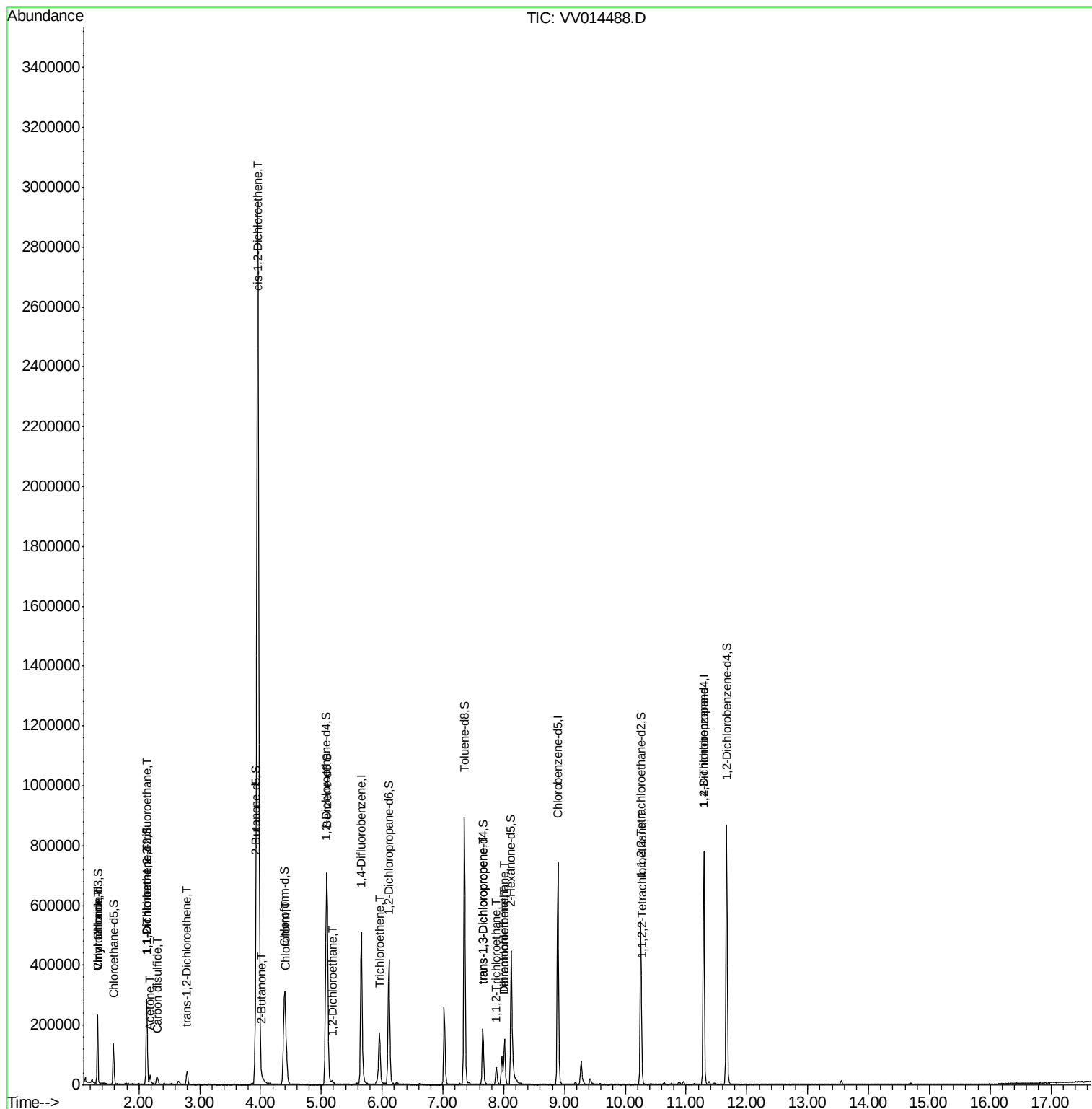
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.29	75	24185	6.765	ug/L	92

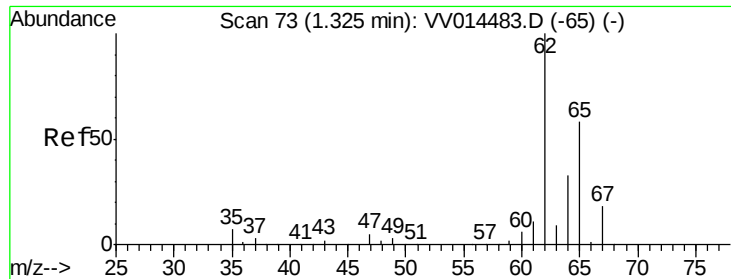
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 4.716 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV014488.D

Acq: 03 Feb 2020 16:52

Instrument :

MSVOA_V

ClientSampleId :

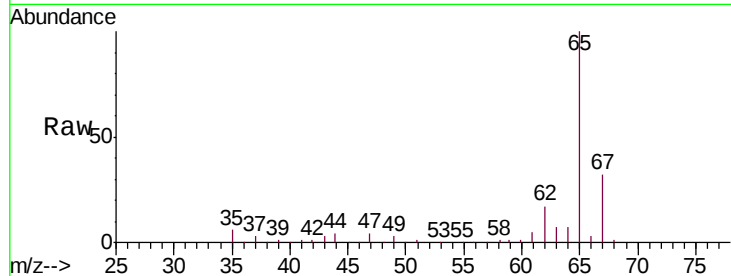
DBCS9

Tgt Ion: 62 Resp: 14539

Ion Ratio Lower Upper

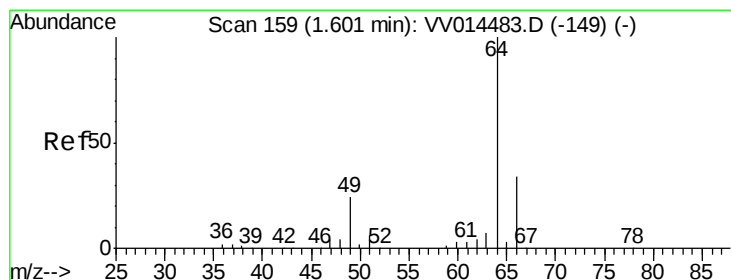
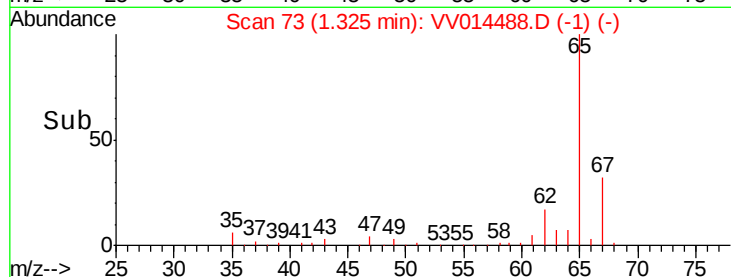
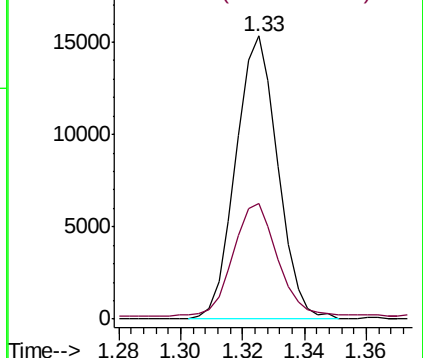
62 100

64 40.7 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#8

Chloroethane

Concen: 4.536 ug/L

RT: 1.33 min Scan# 73

Delta R.T. -0.28 min

Lab File: VV014488.D

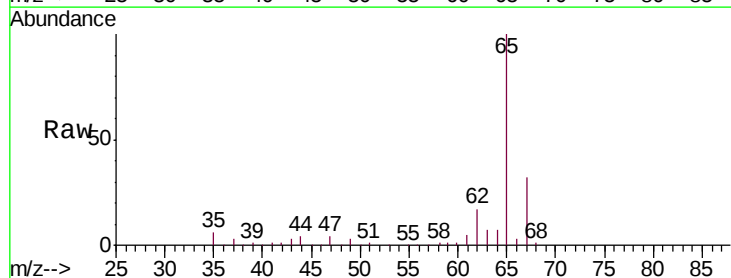
Acq: 03 Feb 2020 16:52

Tgt Ion: 64 Resp: 6141

Ion Ratio Lower Upper

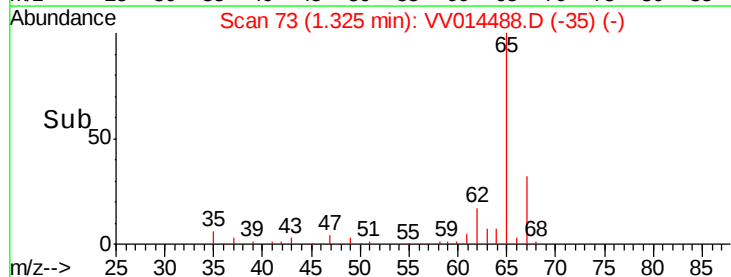
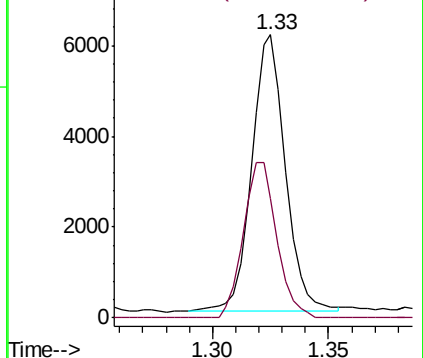
64 100

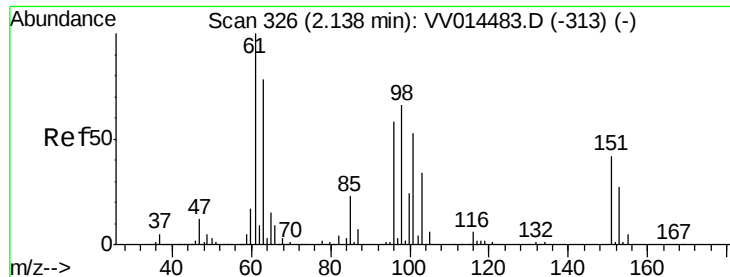
66 42.0 23.0 42.8



Abundance Ion 64.00 (63.70 to 64.70): VV0

Ion 66.00 (65.70 to 66.70): VV0





#10

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

Concen: 0.859 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV014488.D

Acq: 03 Feb 2020 16:52

Instrument :

MSVOA_V

ClientSampleId :

DBCS9

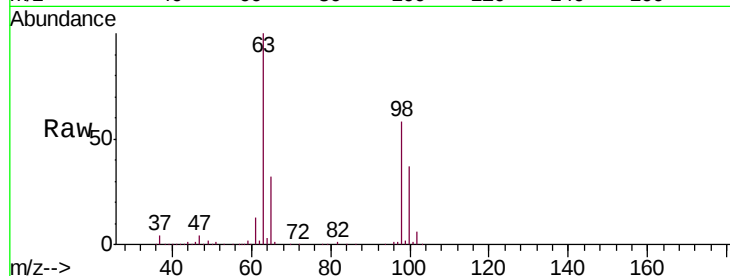
Tgt Ion: 101 Resp: 1429

Ion Ratio Lower Upper

101 100

85 0.0 34.6 51.8#

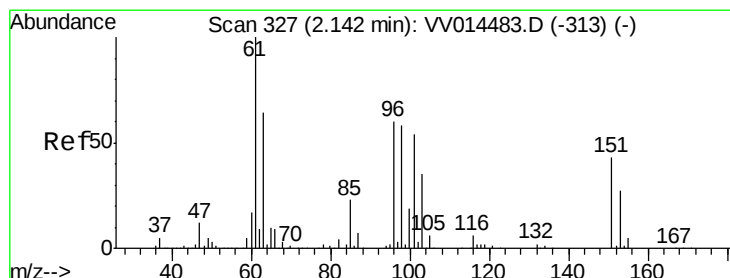
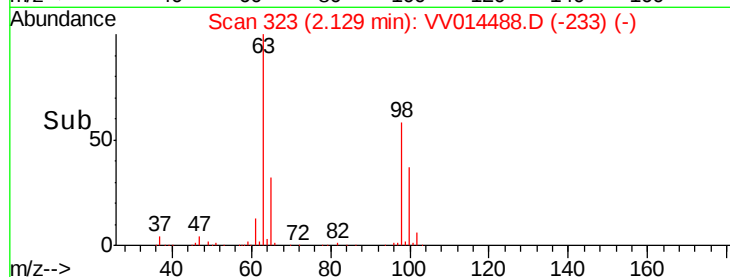
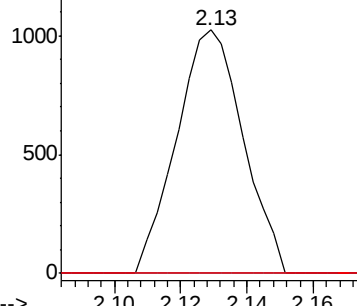
151 0.0 61.2 91.8#



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



#12

1,1-Dichloroethene

Concen: 1.085 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV014488.D

Acq: 03 Feb 2020 16:52

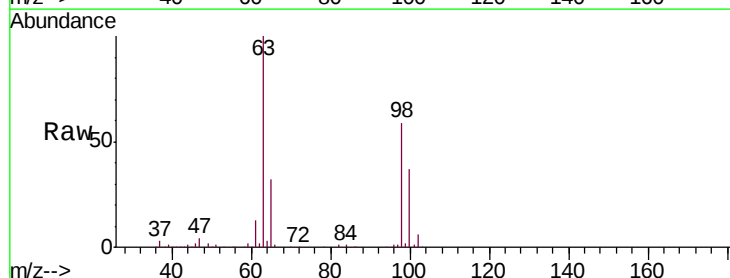
Tgt Ion: 96 Resp: 1814

Ion Ratio Lower Upper

96 100

61 1177.9 120.5 223.7#

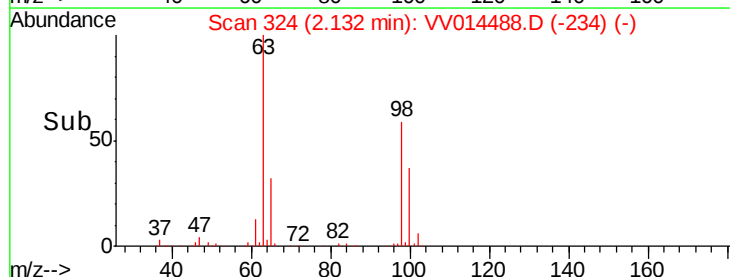
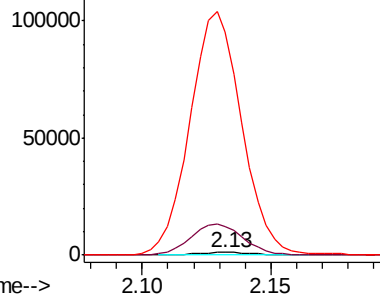
63 9025.0 87.1 161.7#

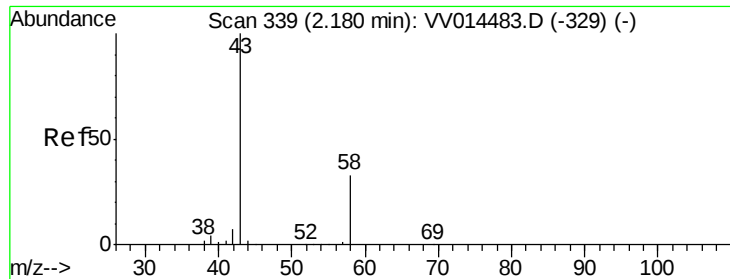


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 18.858 ug/L

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VV014488.D

Acq: 03 Feb 2020 16:52

Instrument :

MSVOA_V

ClientSampleId :

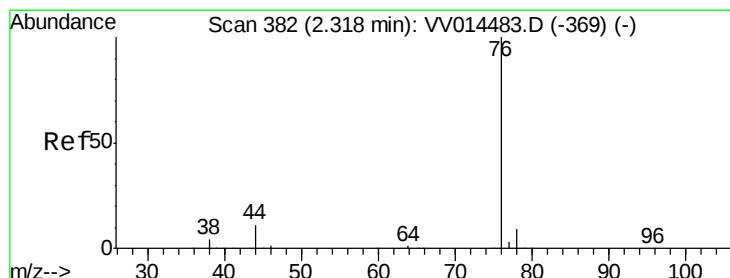
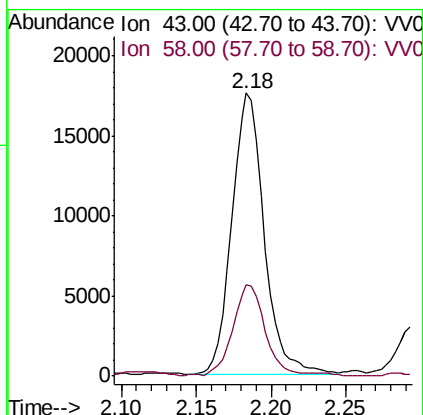
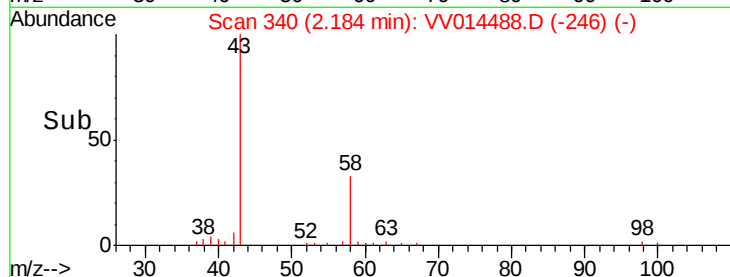
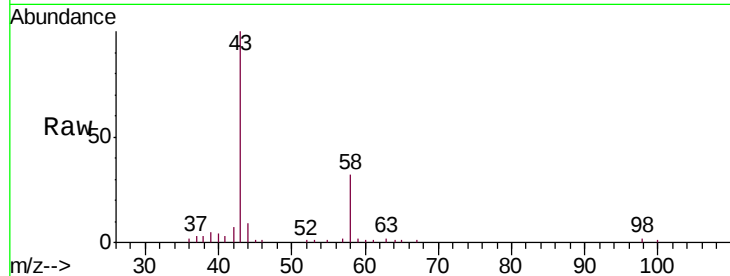
DBCS9

Tgt Ion: 43 Resp: 26428

Ion Ratio Lower Upper

43 100

58 32.4 0.0 61.2



#14

Carbon disulfide

Concen: 1.050 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV014488.D

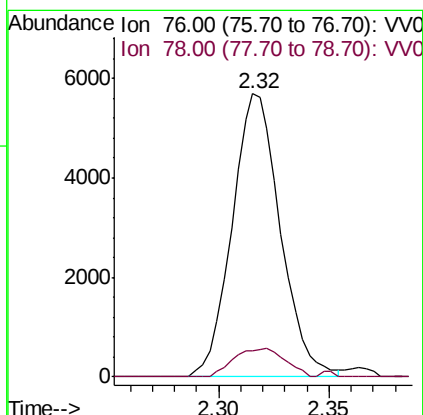
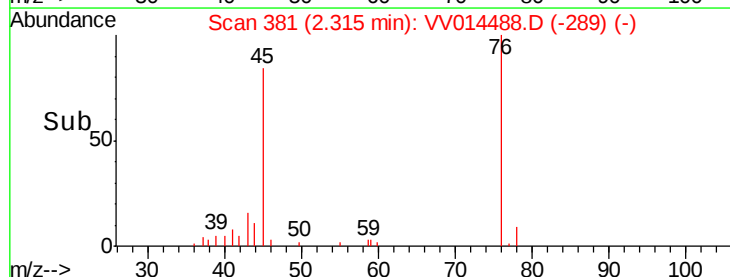
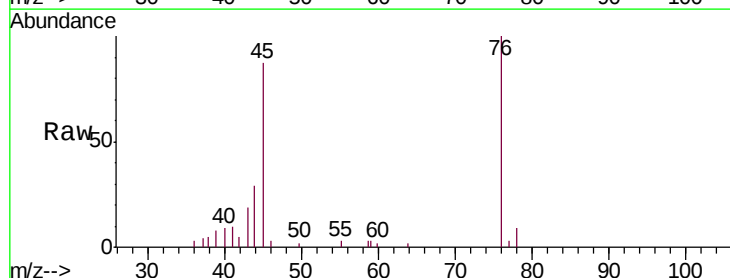
Acq: 03 Feb 2020 16:52

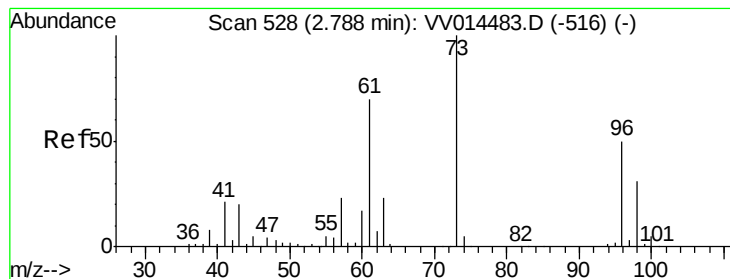
Tgt Ion: 76 Resp: 8621

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8





#17

trans-1,2-Dichloroethene

Concen: 5.888 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV014488.D

Acq: 03 Feb 2020 16:52

Instrument :

MSVOA_V

ClientSampleId :

DBCS9

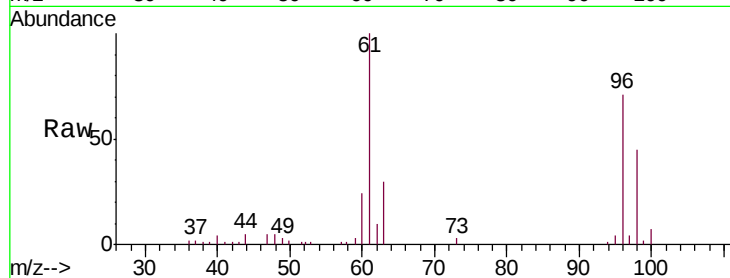
Tgt Ion: 96 Resp: 17076

Ion Ratio Lower Upper

96 100

61 141.5 96.7 179.7

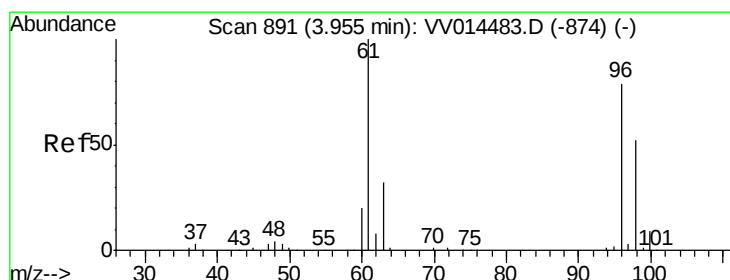
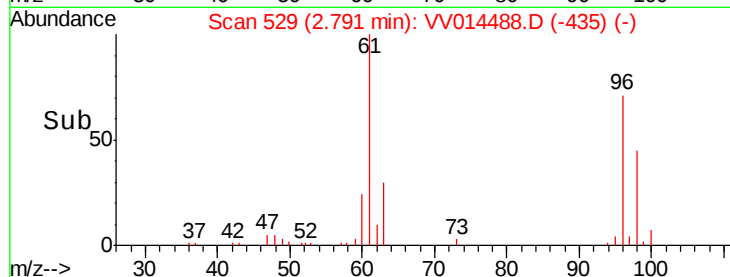
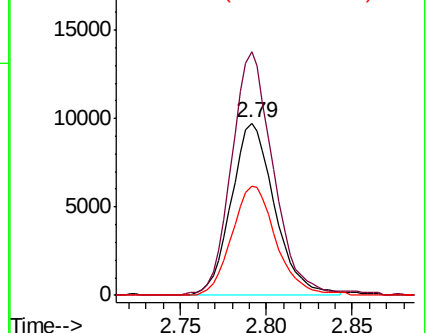
98 63.8 44.1 81.9



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 524.728 ug/L

RT: 3.96 min Scan# 891

Delta R.T. 0.00 min

Lab File: VV014488.D

Acq: 03 Feb 2020 16:52

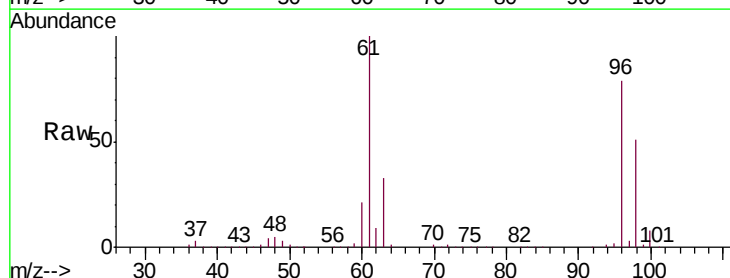
Tgt Ion: 96 Resp: 1697155

Ion Ratio Lower Upper

96 100

61 126.4 88.9 165.1

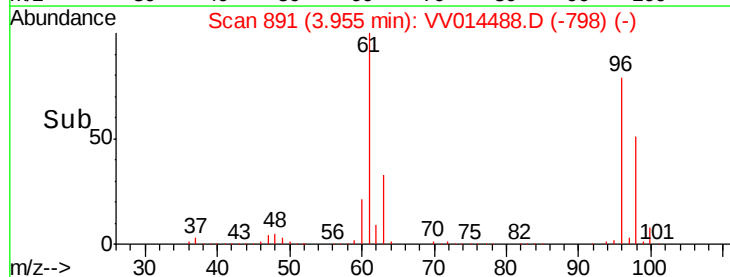
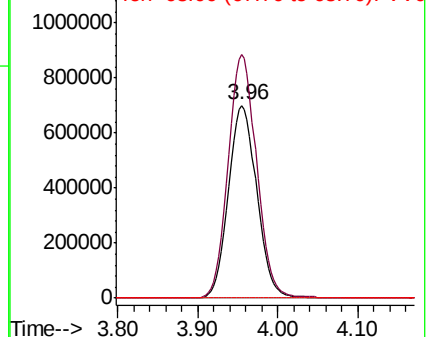
68 0.0 0.0 0.0

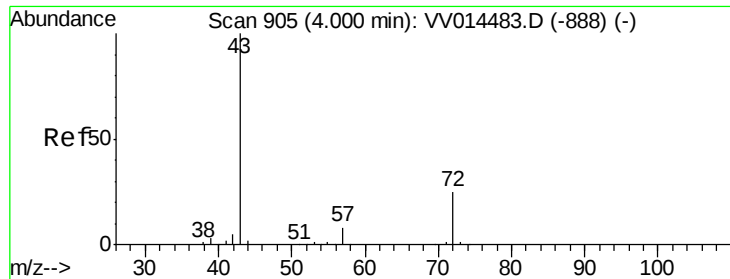


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 2.037 ug/L

RT: 4.02 min Scan# 911

Delta R.T. 0.02 min

Lab File: VV014488.D

Acq: 03 Feb 2020 16:52

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ClientSampleId :

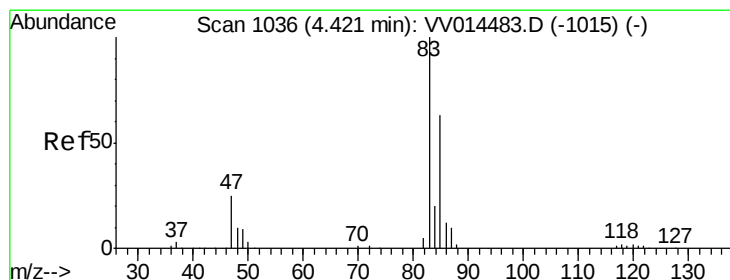
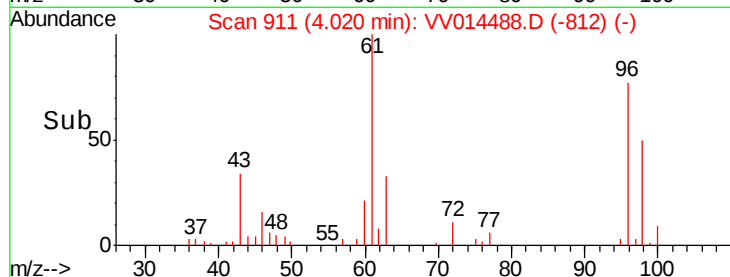
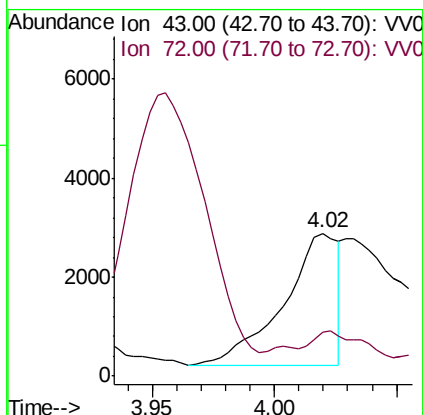
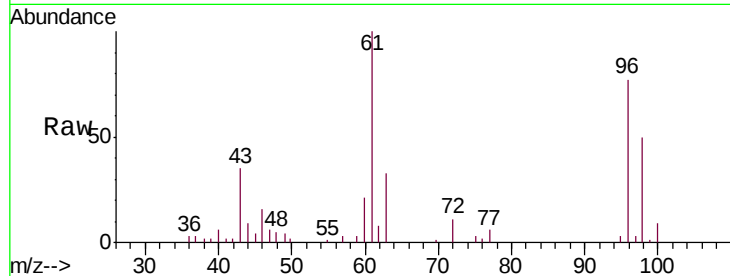
DBCS9

Tgt Ion: 43 Resp: 4114

Ion Ratio Lower Upper

43 100

72 6.6 13.8 41.3#



#25

Chloroform

Concen: 17.635 ug/L

RT: 4.42 min Scan# 1036

Delta R.T. 0.00 min

Lab File: VV014488.D

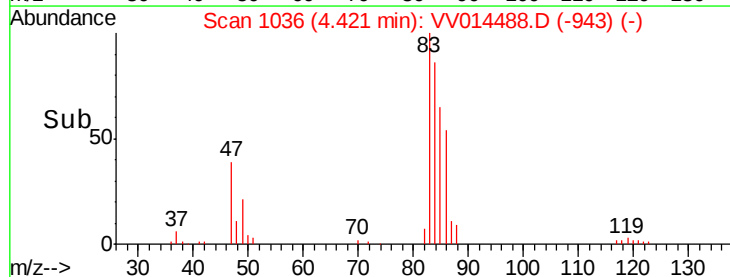
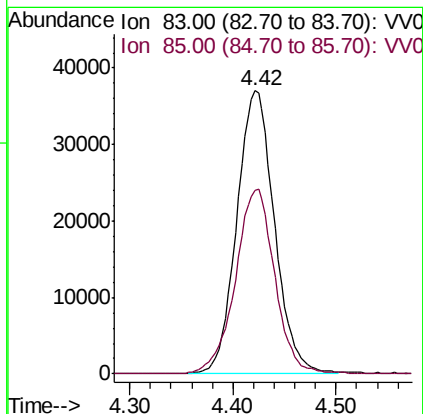
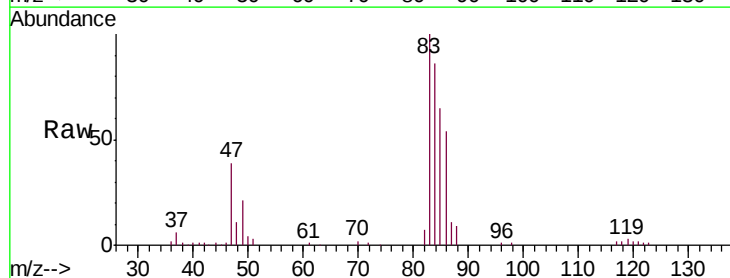
Acq: 03 Feb 2020 16:52

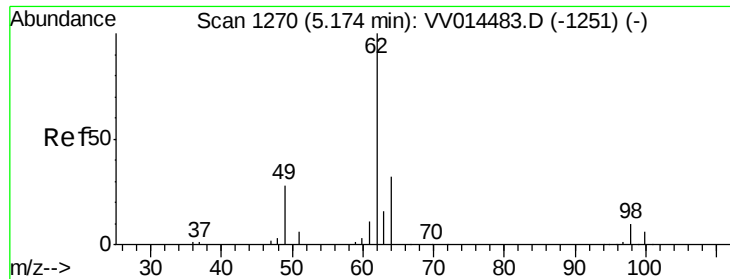
Tgt Ion: 83 Resp: 93996

Ion Ratio Lower Upper

83 100

85 64.7 45.1 83.7

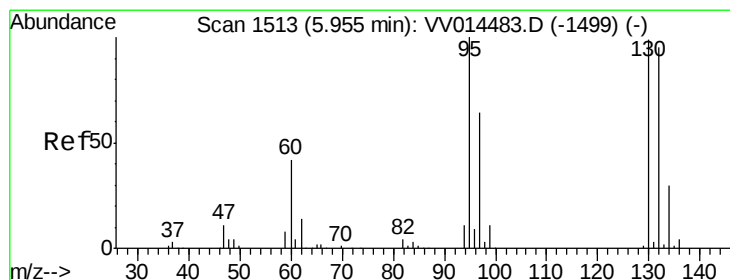
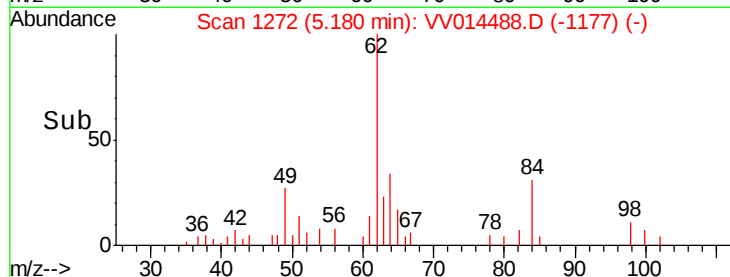
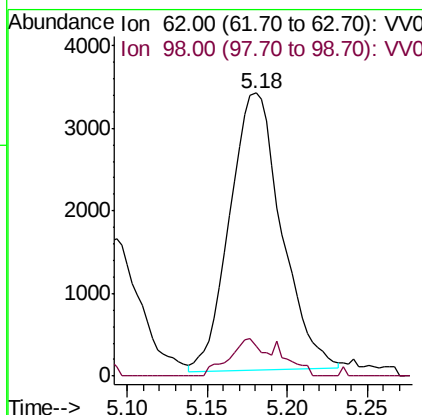
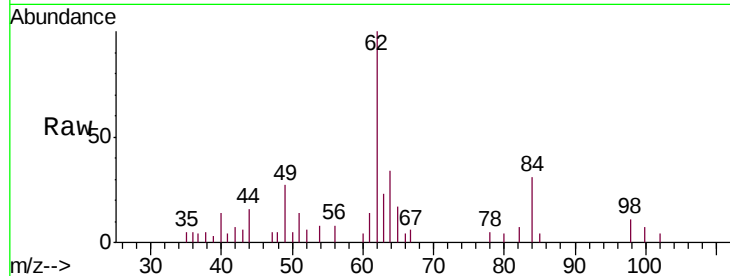




#27
 1,2-Dichloroethane
 Concen: 1.972 ug/L
 RT: 5.18 min Scan# 1272
 Delta R.T. 0.01 min
 Lab File: VV014488.D
 Acq: 03 Feb 2020 16:52

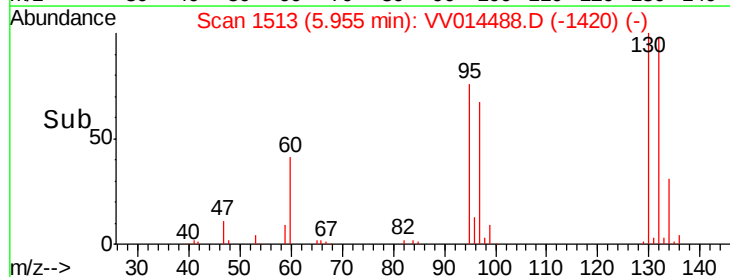
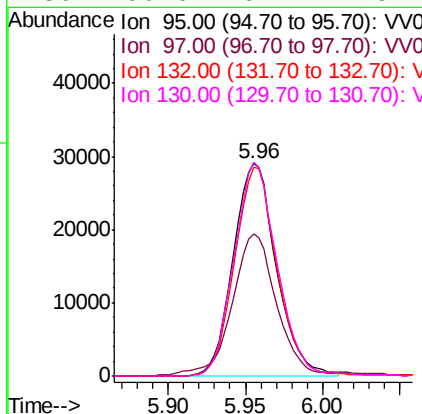
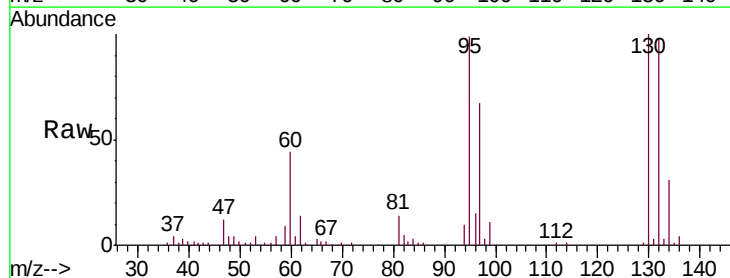
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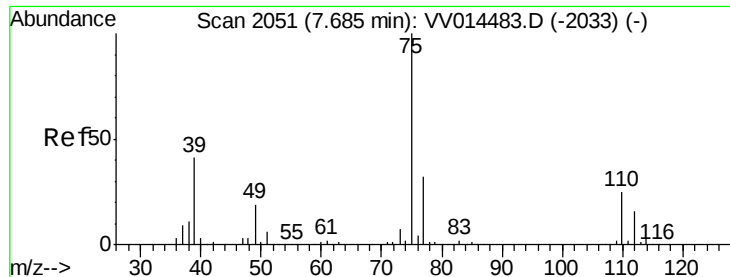
Tgt Ion: 62 Resp: 7472
 Ion Ratio Lower Upper
 62 100
 98 10.5 8.0 12.0



#34
 Trichloroethene
 Concen: 18.457 ug/L
 RT: 5.96 min Scan# 1513
 Delta R.T. 0.00 min
 Lab File: VV014488.D
 Acq: 03 Feb 2020 16:52

Tgt Ion: 95 Resp: 56437
 Ion Ratio Lower Upper
 95 100
 97 67.1 44.7 83.1
 132 98.2 65.4 121.4
 130 100.6 67.7 125.7





#44

trans-1,3-Dichloropropene

Concen: 0.985 ug/L

RT: 7.66 min Scan# 2042

Delta R.T. -0.03 min

Lab File: VV014488.D

Acq: 03 Feb 2020 16:52

Instrument :

MSVOA_V

ClientSampleId :

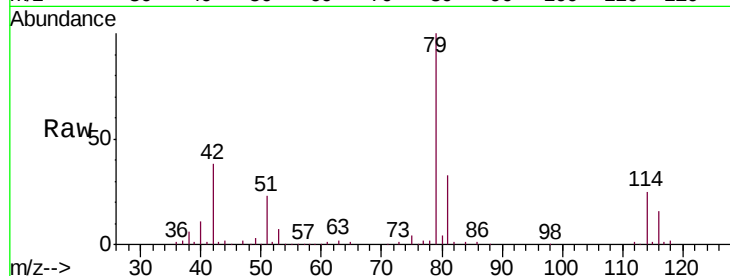
DBCS9

Tgt Ion: 75 Resp: 4350

Ion Ratio Lower Upper

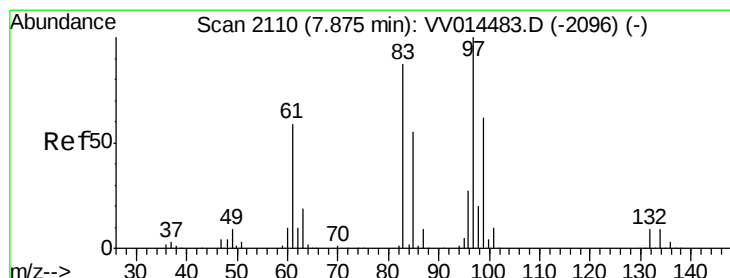
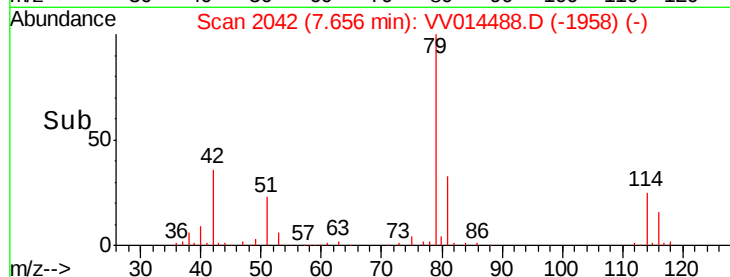
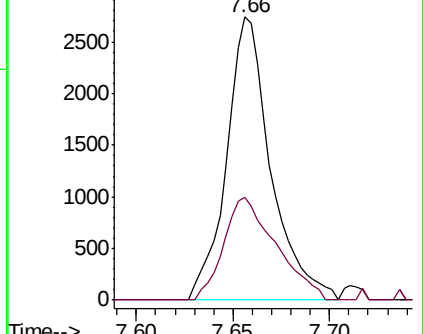
75 100

77 36.6 22.0 40.8



Abundance Ion 75.00 (74.70 to 75.70): VV014488.D (-2033) (-)

Ion 77.00 (76.70 to 77.70): VV014488.D (-2033) (-)



#45

1,1,2-Trichloroethane

Concen: 5.735 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VV014488.D

Acq: 03 Feb 2020 16:52

Tgt Ion: 97 Resp: 16393

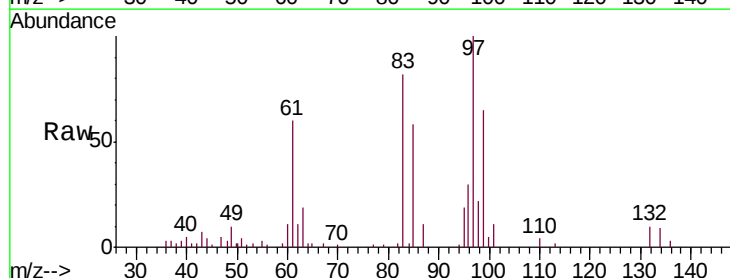
Ion Ratio Lower Upper

97 100

99 65.4 43.8 81.3

83 81.7 60.0 111.4

85 58.3 37.2 69.0

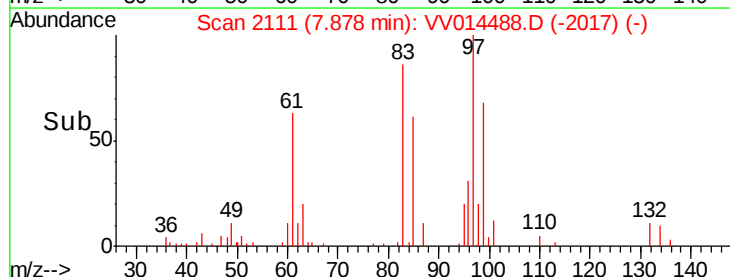
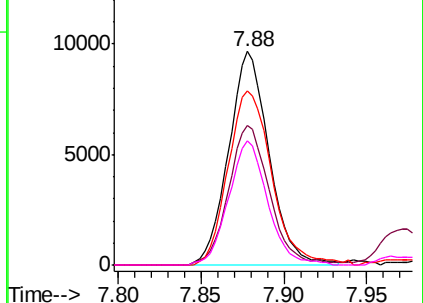


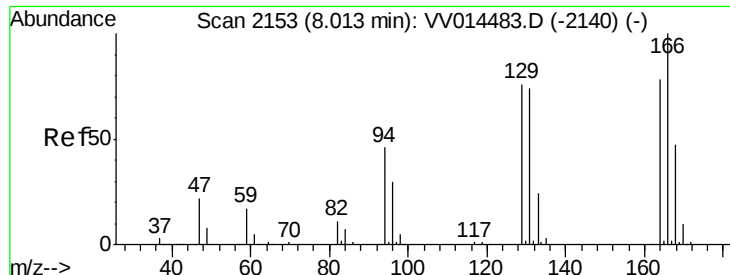
Abundance Ion 97.00 (96.70 to 97.70): VV014488.D (-2096) (-)

Ion 99.00 (98.70 to 99.70): VV014488.D (-2096) (-)

Ion 83.00 (82.70 to 83.70): VV014488.D (-2096) (-)

Ion 85.00 (84.70 to 85.70): VV014488.D (-2096) (-)





#46

Tetrachloroethene

Concen: 14.526 ug/L

RT: 8.01 min Scan# 2153

Delta R.T. 0.00 min

Lab File: VV014488.D

Acq: 03 Feb 2020 16:52

Instrument :

MSVOA_V

ClientSampleId :

DBCS9

Tgt Ion:164 Resp: 32484

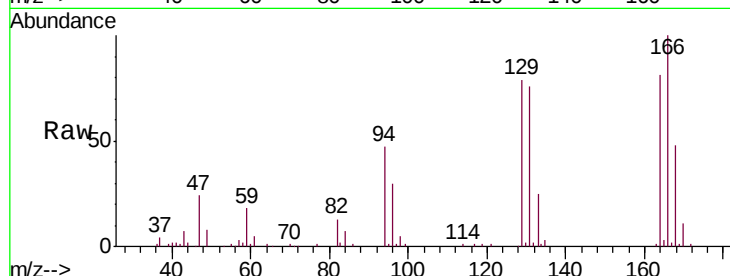
Ion Ratio Lower Upper

164 100

129 97.9 70.4 130.8

131 93.7 65.5 121.7

166 123.6 89.9 166.9

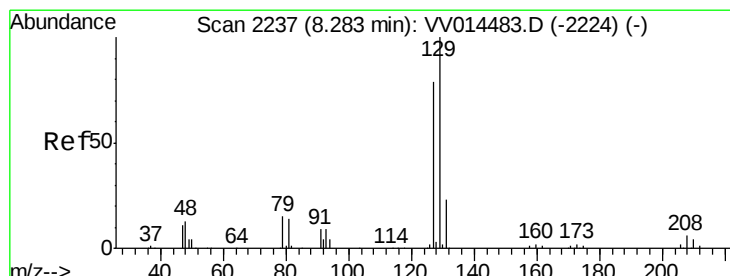
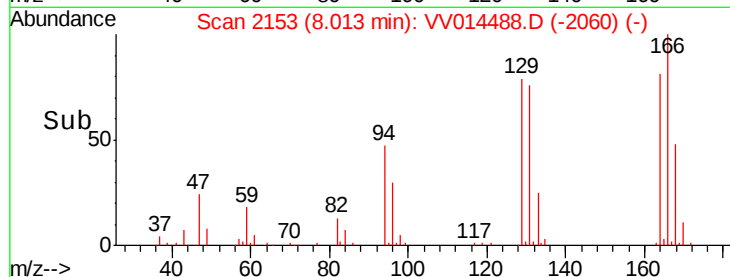
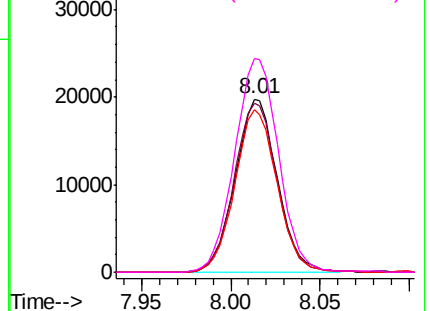


Abundance Ion 164.00 (163.70 to 164.70): V

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



#49

Dibromochloromethane

Concen: 9.858 ug/L

RT: 8.01 min Scan# 2153

Delta R.T. -0.27 min

Lab File: VV014488.D

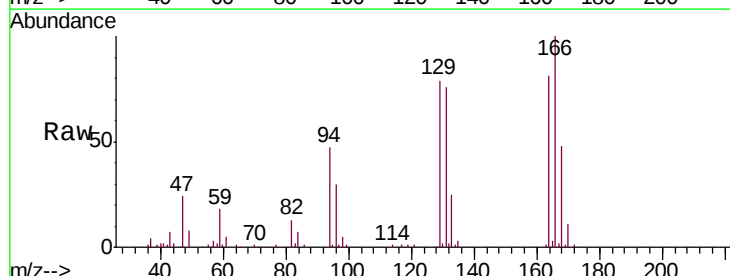
Acq: 03 Feb 2020 16:52

Tgt Ion:129 Resp: 31003

Ion Ratio Lower Upper

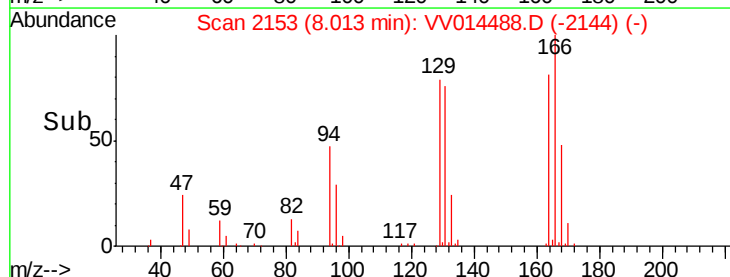
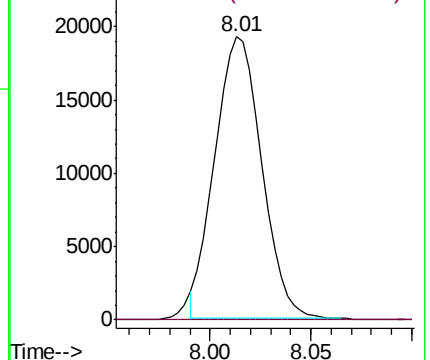
129 100

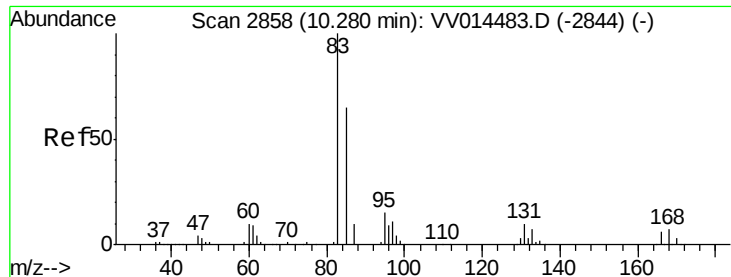
127 0.0 55.1 102.3#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#58

1,1,2,2-Tetrachloroethane

Concen: 0.784 ug/L

RT: 10.28 min Scan# 2857

Delta R.T. -0.00 min

Lab File: VV014488.D

Acq: 03 Feb 2020 16:52

Instrument :

MSVOA_V

ClientSampleId :

DBCS9

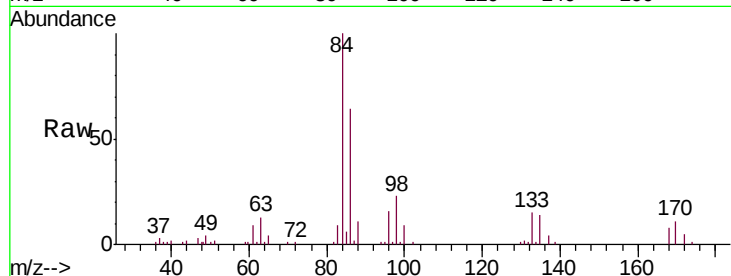
Tgt Ion: 83 Resp: 3579

Ion Ratio Lower Upper

83 100

85 69.6 44.2 82.2

131 22.8 7.6 11.4#

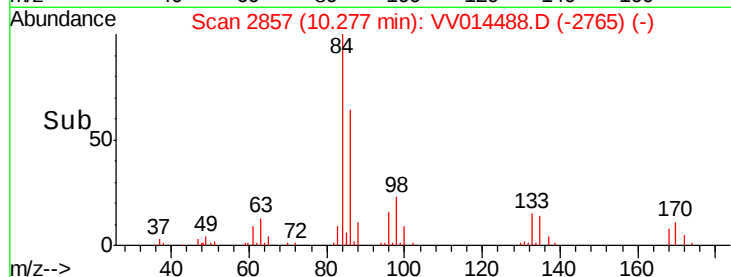


Abundance Ion 83.00 (82.70 to 83.70): VV014488.D (-2765) (-)

Ion 85.00 (84.70 to 85.70): VV014488.D (-2765) (-)

Ion 131.00 (130.70 to 131.70): VV014488.D (-2765) (-)

Time-->

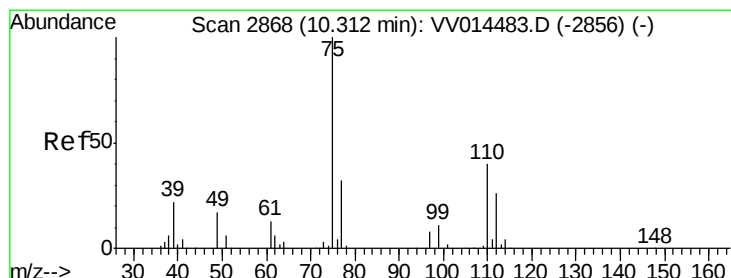


Abundance Ion 83.00 (82.70 to 83.70): VV014488.D (-2765) (-)

Ion 85.00 (84.70 to 85.70): VV014488.D (-2765) (-)

Ion 131.00 (130.70 to 131.70): VV014488.D (-2765) (-)

Time-->



#59

1,2,3-Trichloropropane

Concen: 6.765 ug/L

RT: 11.29 min Scan# 3171

Delta R.T. 0.97 min

Lab File: VV014488.D

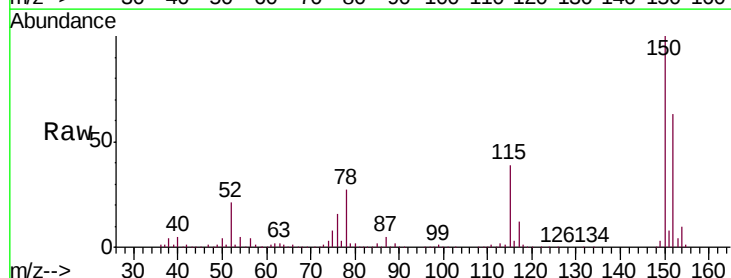
Acq: 03 Feb 2020 16:52

Tgt Ion: 75 Resp: 24185

Ion Ratio Lower Upper

75 100

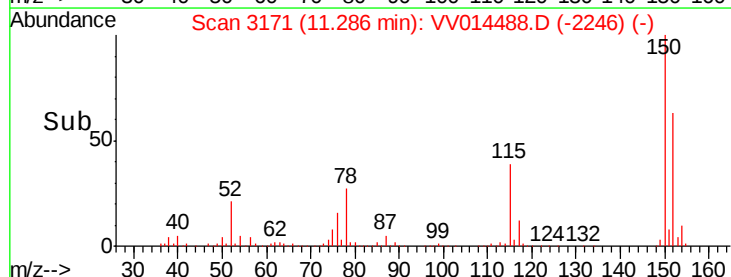
77 36.9 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VV014488.D (-2246) (-)

Ion 77.00 (76.70 to 77.70): VV014488.D (-2246) (-)

Time-->



Abundance Ion 75.00 (74.70 to 75.70): VV014488.D (-2246) (-)

Ion 77.00 (76.70 to 77.70): VV014488.D (-2246) (-)

Time-->