

Data File : VV014485.D
Acq On : 03 Feb 2020 15:34
Operator : SY/MD
Sample : L1326-04 5X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DBCS6

Quant Time: Feb 04 05:34:50 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	426532	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	393149	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	190334	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	115785	48.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.76%
7) Chloroethane-d5	1.59	69	84268	57.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	114.42%
11) 1,1-Dichloroethene-d2	2.13	63	135704	42.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.82%
21) 2-Butanone-d5	3.92	46	200847	126.01	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	126.01%
24) Chloroform-d	4.40	84	283448	56.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	113.08%
26) 1,2-Dichloroethane-d4	5.08	65	179762	59.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	119.06%
32) Benzene-d6	5.10	84	601209	58.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	116.16%
36) 1,2-Dichloropropane-d6	6.11	67	190966	58.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	116.62%
41) Toluene-d8	7.36	98	560587	58.66	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	117.32%
43) trans-1,3-Dichloropropene-	7.66	79	101334	60.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	121.74%
47) 2-Hexanone-d5	8.13	63	162318	126.67	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	126.67%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	245156	58.10	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	116.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	208771	59.56	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	119.12%

Target Compounds

					Qvalue
3) Chloromethane	1.26	50	6396	1.718 ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1473	0.912 ug/L #	19
13) Acetone	2.19	43	10411	7.655 ug/L	100
16) Methylene chloride	2.54	84	30384	9.725 ug/L	98
20) cis-1,2-Dichloroethene	3.96	96	41405	13.191 ug/L	98
25) Chloroform	4.42	83	41650	8.052 ug/L	99
27) 1,2-Dichloroethane	5.18	62	7452	2.026 ug/L	100
34) Trichloroethene	5.96	95	2475	0.845 ug/L	92
35) Methylcyclohexane	6.11	83	45479	9.342 ug/L #	20
44) trans-1,3-Dichloropropene	7.66	75	3906	0.923 ug/L #	68
45) 1,1,2-Trichloroethane	7.88	97	3903	1.425 ug/L	93
46) Tetrachloroethene	8.02	164	4574	2.135 ug/L	92
48) 2-Hexanone	8.13	43	19407	7.079 ug/L #	66
49) Dibromochloromethane	8.02	129	3908	1.297 ug/L #	10
58) 1,1,2,2-Tetrachloroethane	10.28	83	8370	1.913 ug/L	98
59) 1,2,3-Trichloropropane	11.29	75	21964	6.411 ug/L	92

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

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Quant Title : VOC Analysis
QLast Update : Tue Feb 04 05:31:51 2020
Response via : Initial Calibration

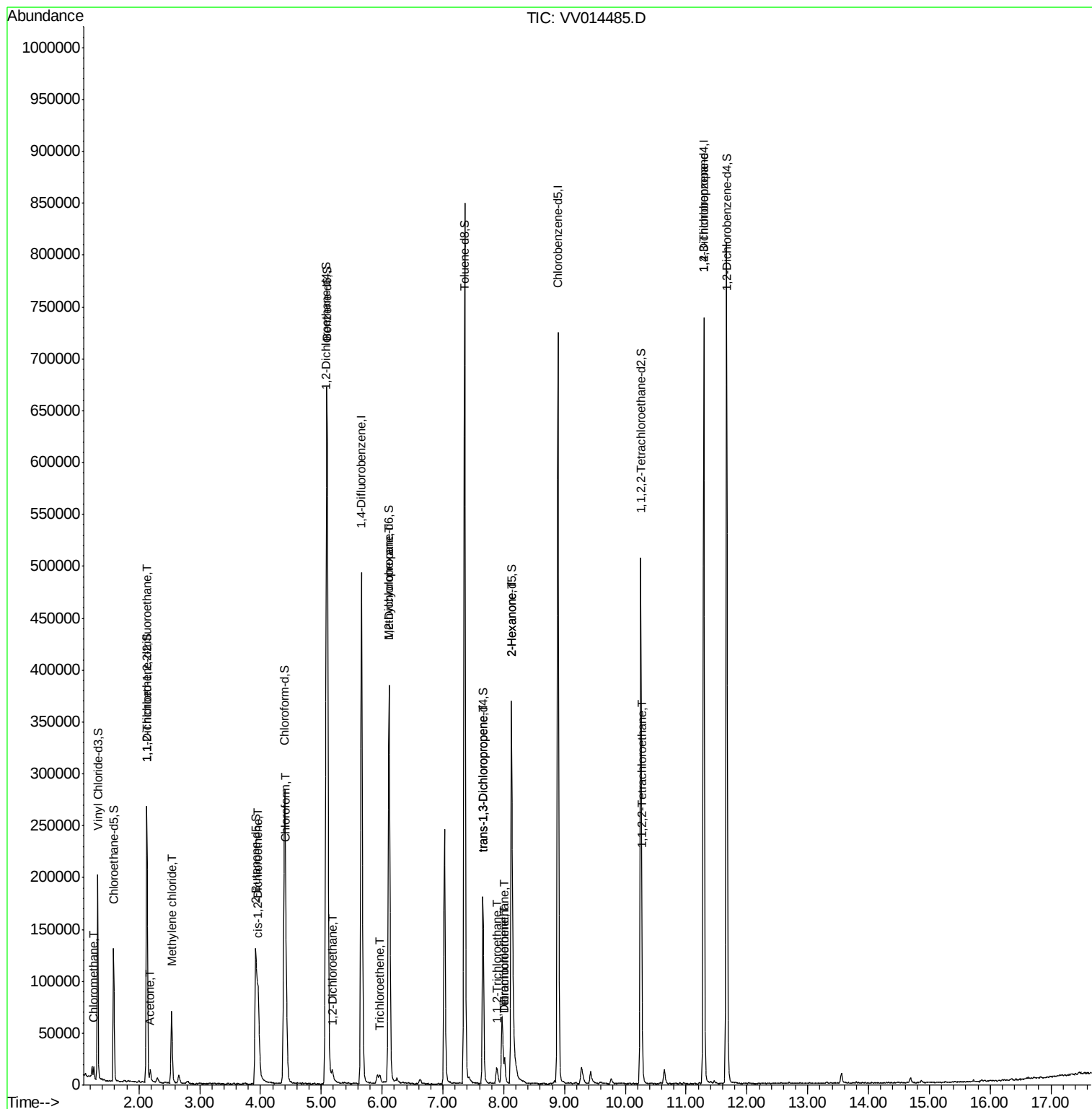
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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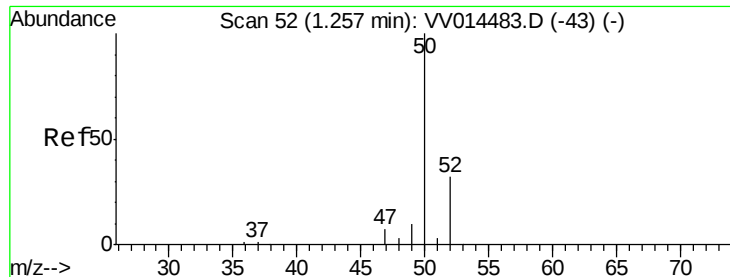
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 1.718 ug/L

RT: 1.26 min Scan# 52

Delta R.T. 0.00 min

Lab File: VV014485.D

Acq: 03 Feb 2020 15:34

Instrument :

MSVOA_V

ClientSampleId :

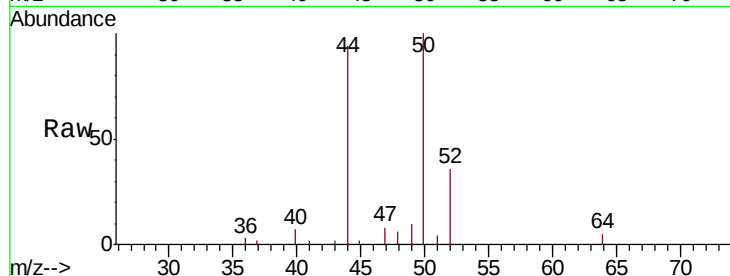
DBCS6

Tgt Ion: 50 Resp: 6396

Ion Ratio Lower Upper

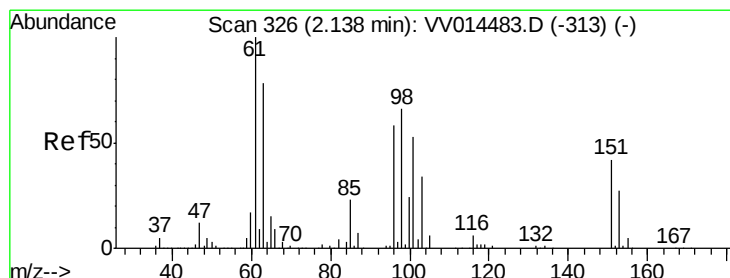
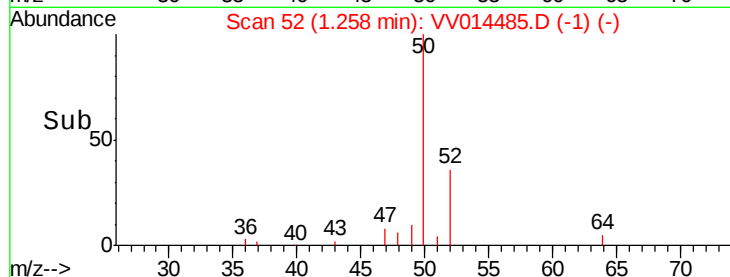
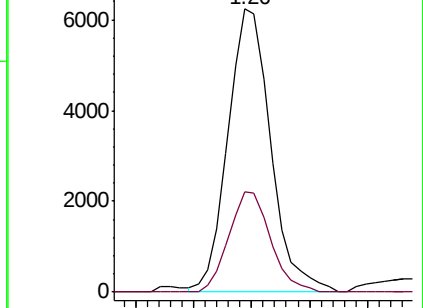
50 100

52 35.5 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VV014483.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV014483.D (-43) (-)



#10

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

Concen: 0.912 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.01 min

Lab File: VV014485.D

Acq: 03 Feb 2020 15:34

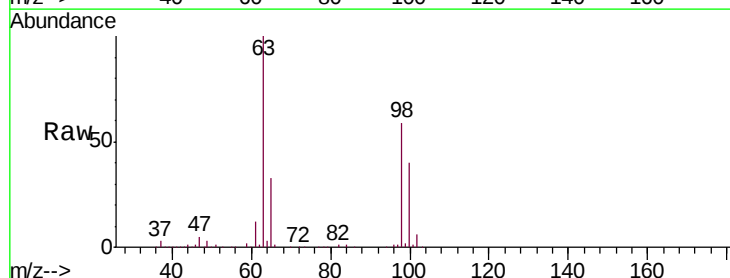
Tgt Ion: 101 Resp: 1473

Ion Ratio Lower Upper

101 100

85 0.0 34.6 51.8#

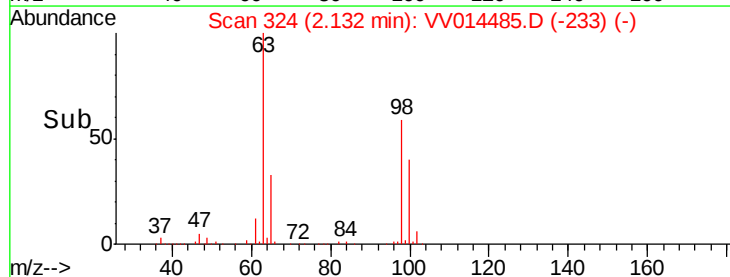
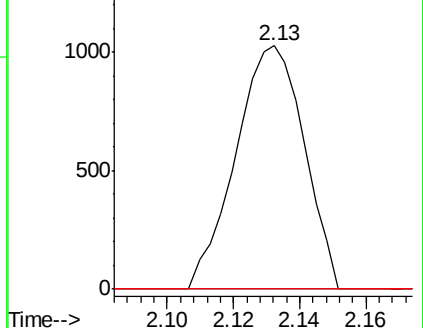
151 0.0 61.2 91.8#

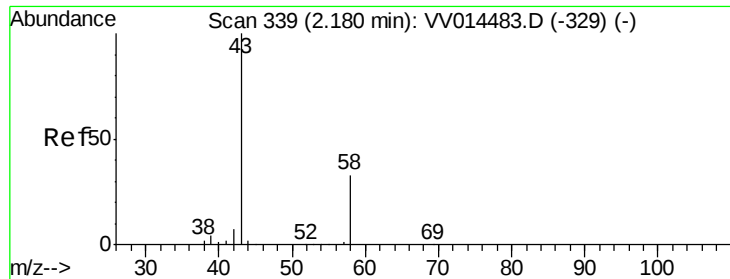


Abundance Ion 101.00 (100.70 to 101.70): VV014483.D (-313) (-)

Ion 85.00 (84.70 to 85.70): VV014483.D (-313) (-)

Ion 151.00 (150.70 to 151.70): VV014483.D (-313) (-)





#13

Acetone

Concen: 7.655 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.01 min

Lab File: VV014485.D

Acq: 03 Feb 2020 15:34

Instrument :

MSVOA_V

ClientSampleId :

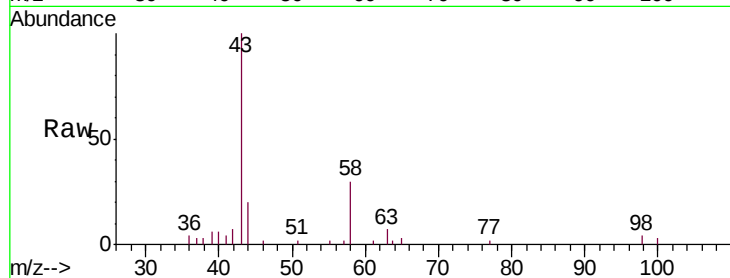
DBCS6

Tgt Ion: 43 Resp: 10411

Ion Ratio Lower Upper

43 100

58 30.4 0.0 61.2



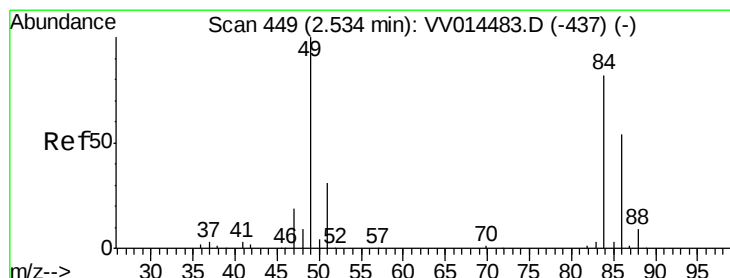
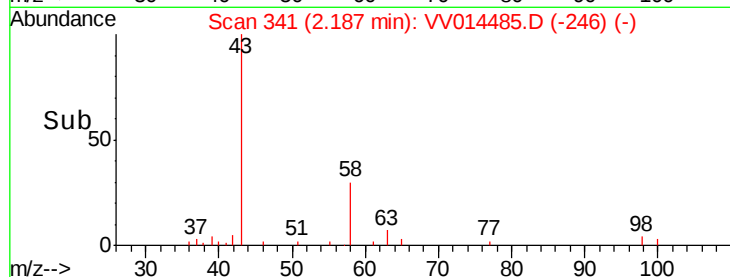
Abundance Ion 43.00 (42.70 to 43.70): VV014483.D (-329) (-)

Ion 58.00 (57.70 to 58.70): VV014483.D (-329) (-)

2.19

Time-->

2.15 2.20 2.25



#16

Methylene chloride

Concen: 9.725 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV014485.D

Acq: 03 Feb 2020 15:34

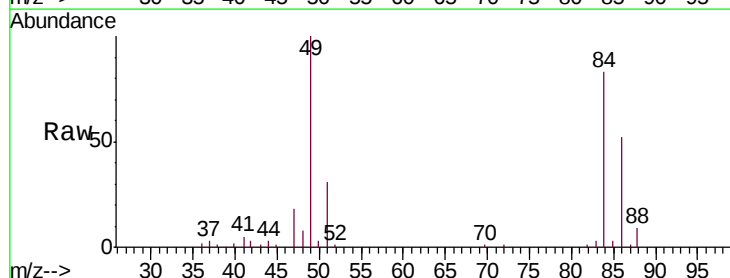
Tgt Ion: 84 Resp: 30384

Ion Ratio Lower Upper

84 100

86 63.1 45.6 84.8

49 120.6 82.7 153.7



Abundance Ion 84.00 (83.70 to 84.70): VV014483.D (-437) (-)

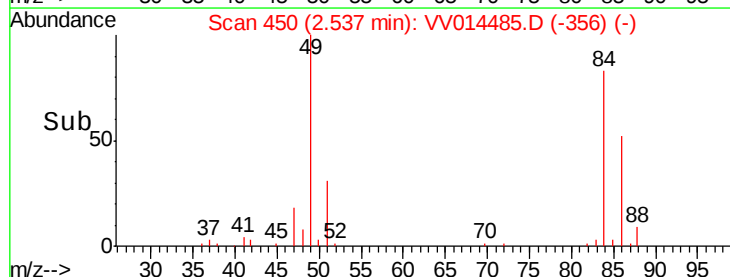
Ion 86.00 (85.70 to 86.70): VV014483.D (-437) (-)

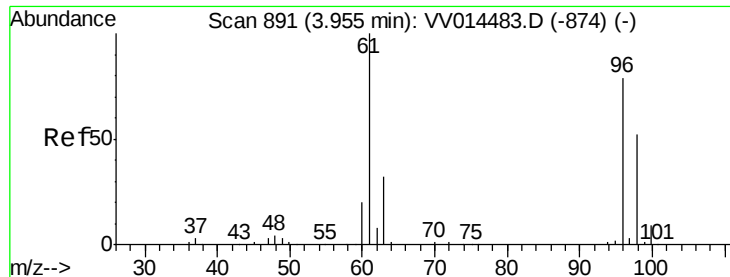
Ion 49.00 (48.70 to 49.70): VV014483.D (-437) (-)

2.54

Time-->

2.50 2.55 2.60

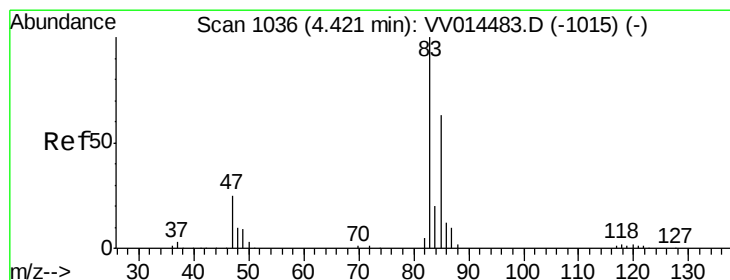
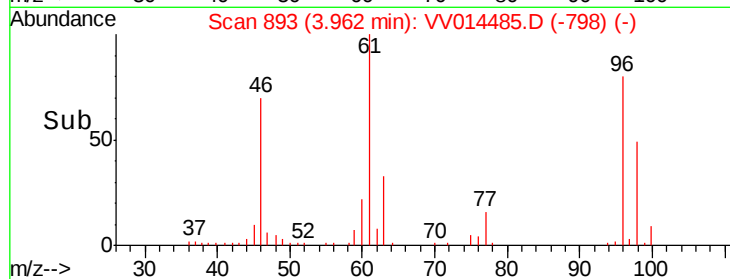
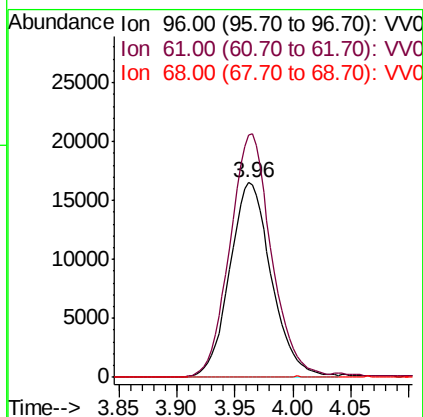
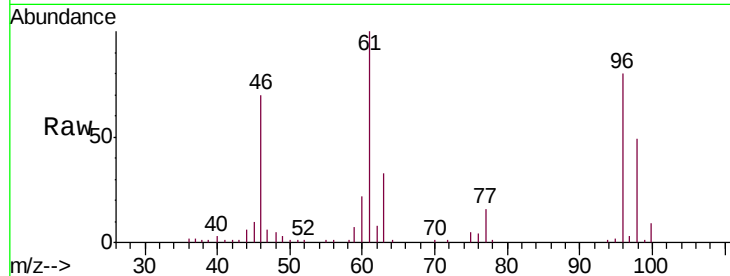




#20
 cis-1,2-Dichloroethene
 Concen: 13.191 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.01 min
 Lab File: VV014485.D
 Acq: 03 Feb 2020 15:34

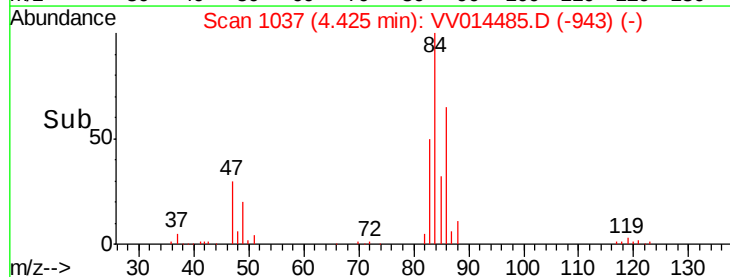
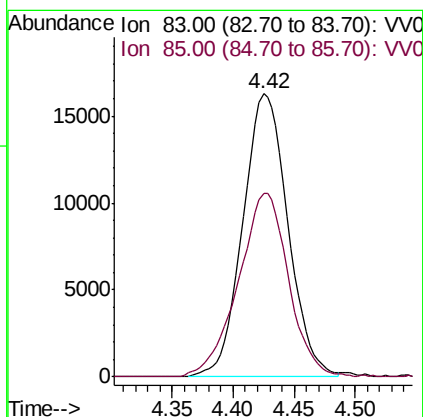
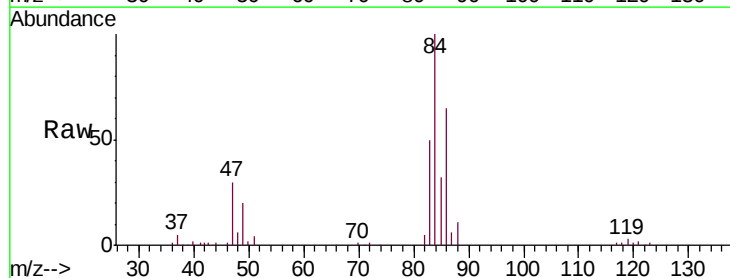
Instrument :
 MSVOA_V
 ClientSampleId :
 DBCS6

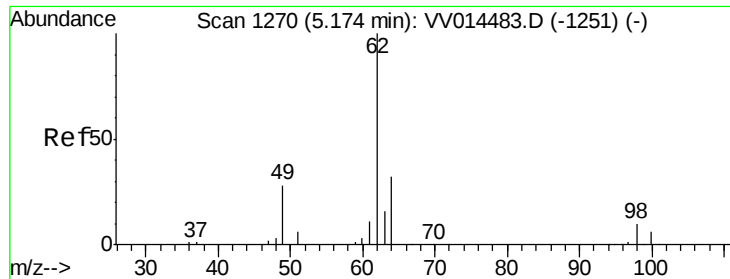
Tgt Ion: 96 Resp: 41405
 Ion Ratio Lower Upper
 96 100
 61 124.5 88.9 165.1
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 8.052 ug/L
 RT: 4.42 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: VV014485.D
 Acq: 03 Feb 2020 15:34

Tgt Ion: 83 Resp: 41650
 Ion Ratio Lower Upper
 83 100
 85 64.8 45.1 83.7

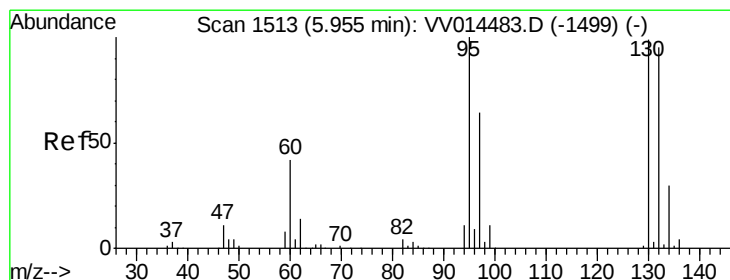
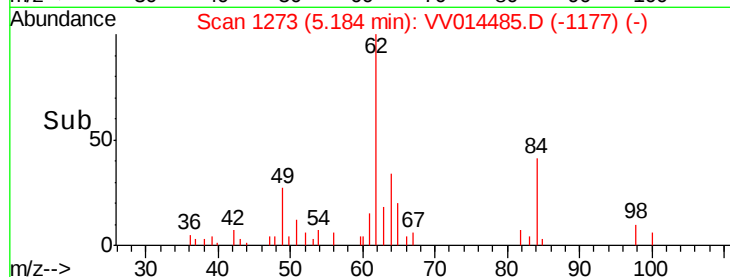
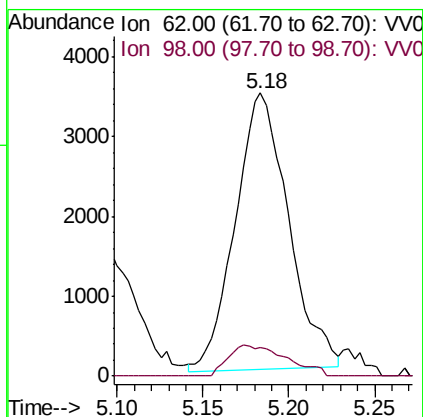
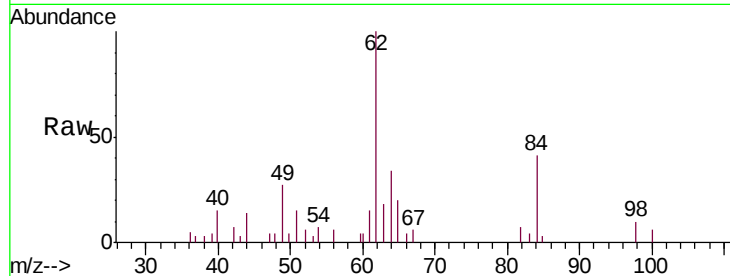




#27
1,2-Dichloroethane
Concen: 2.026 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.01 min
Lab File: VV014485.D
Acq: 03 Feb 2020 15:34

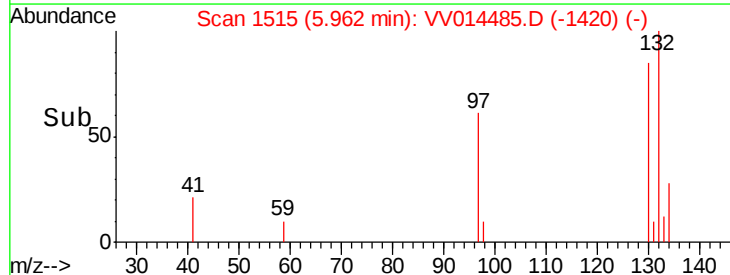
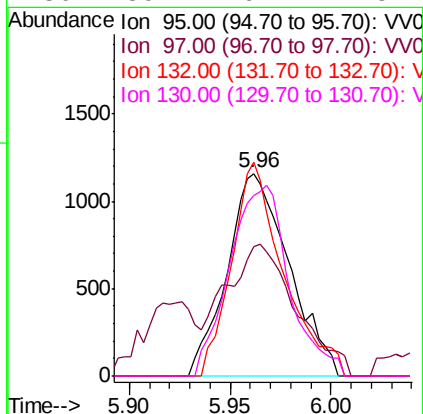
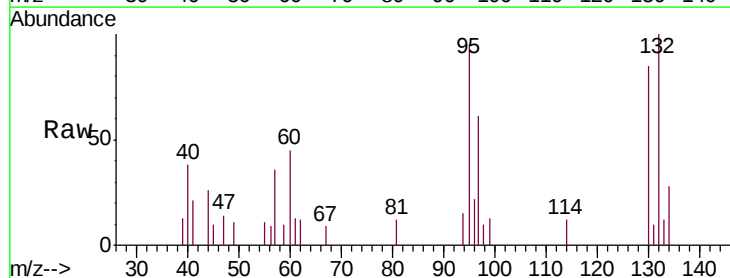
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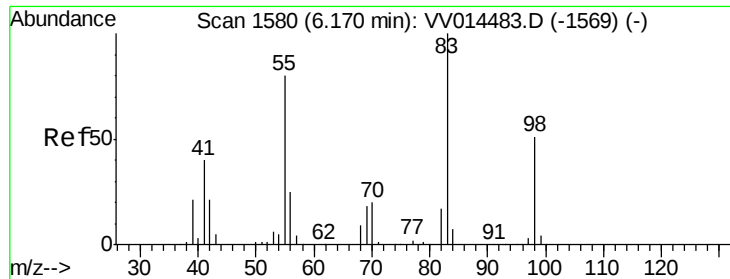
Tgt Ion: 62 Resp: 7452
Ion Ratio Lower Upper
62 100
98 9.9 8.0 12.0



#34
Trichloroethene
Concen: 0.845 ug/L
RT: 5.96 min Scan# 1515
Delta R.T. 0.01 min
Lab File: VV014485.D
Acq: 03 Feb 2020 15:34

Tgt Ion: 95 Resp: 2475
Ion Ratio Lower Upper
95 100
97 64.0 44.7 83.1
132 105.3 65.4 121.4
130 89.1 67.7 125.7

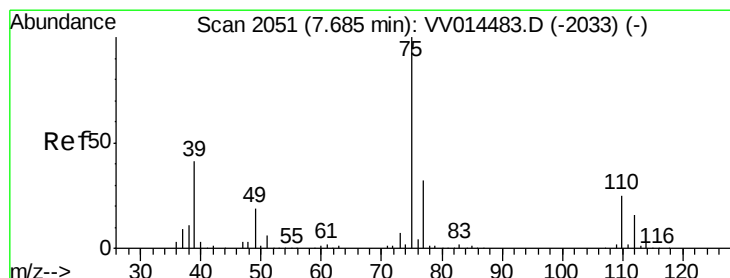
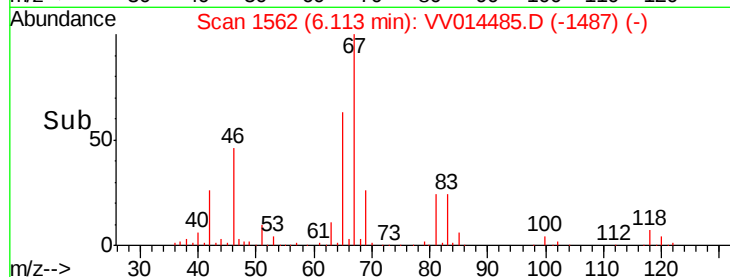
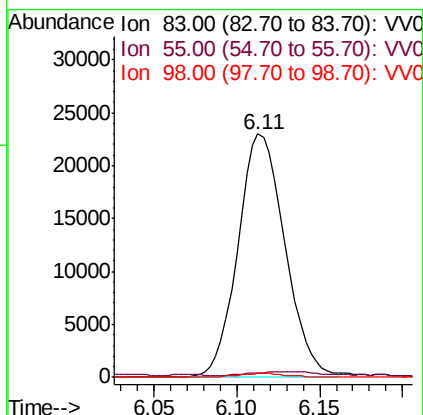
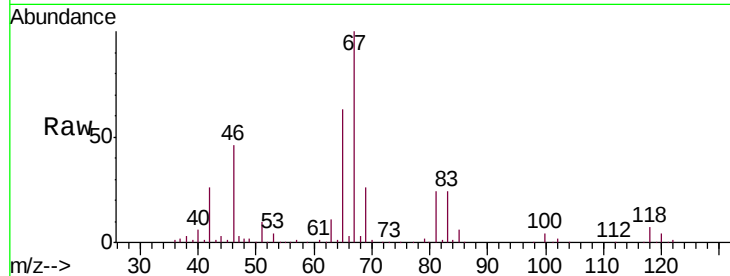




#35
Methylcyclohexane
Concen: 9.342 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.06 min
Lab File: VV014485.D
Acq: 03 Feb 2020 15:34

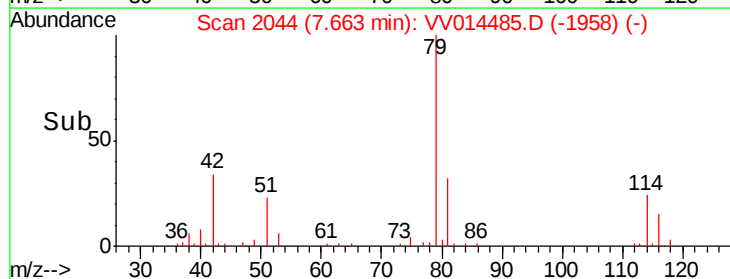
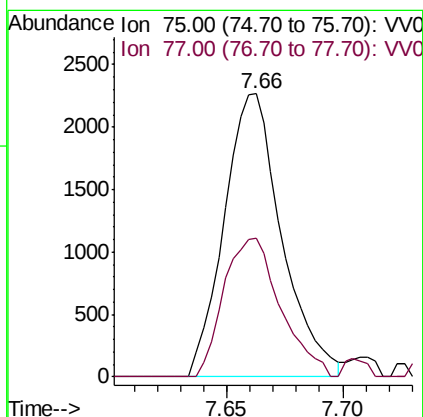
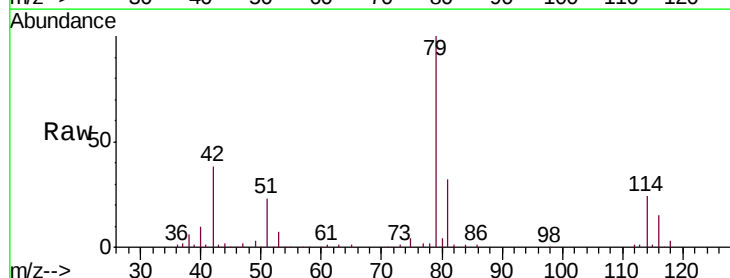
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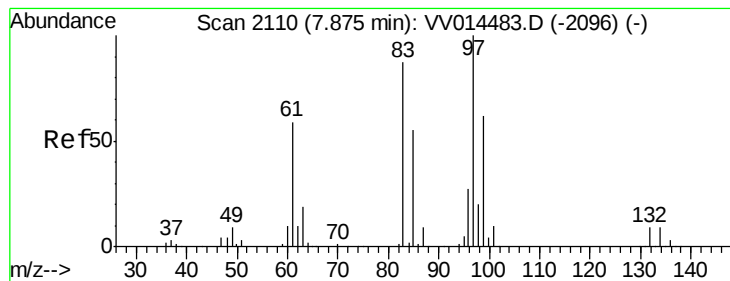
Tgt Ion: 83 Resp: 45479
Ion Ratio Lower Upper
83 100
55 0.9 60.4 90.6#
98 1.5 39.2 58.8#



#44
trans-1,3-Dichloropropene
Concen: 0.923 ug/L
RT: 7.66 min Scan# 2044
Delta R.T. -0.02 min
Lab File: VV014485.D
Acq: 03 Feb 2020 15:34

Tgt Ion: 75 Resp: 3906
Ion Ratio Lower Upper
75 100
77 49.2 22.0 40.8#





#45

1,1,2-Trichloroethane

Concen: 1.425 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. 0.01 min

Lab File: VV014485.D

Acq: 03 Feb 2020 15:34

Instrument :

MSVOA_V

ClientSampleId :

DBCS6

Tgt Ion: 97 Resp: 3903

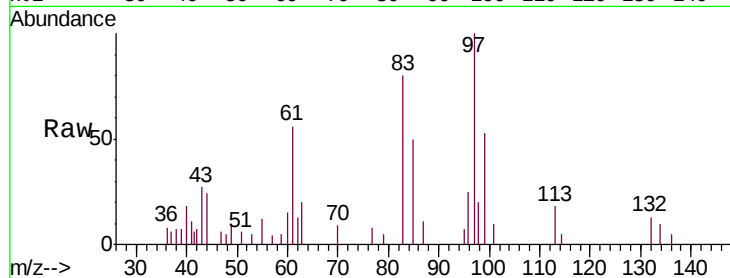
Ion Ratio Lower Upper

97 100

99 53.4 43.8 81.3

83 80.0 60.0 111.4

85 49.9 37.2 69.0

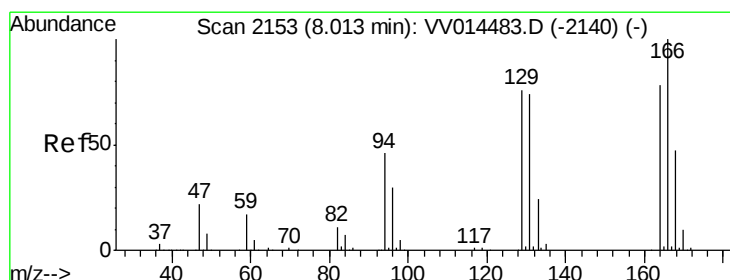
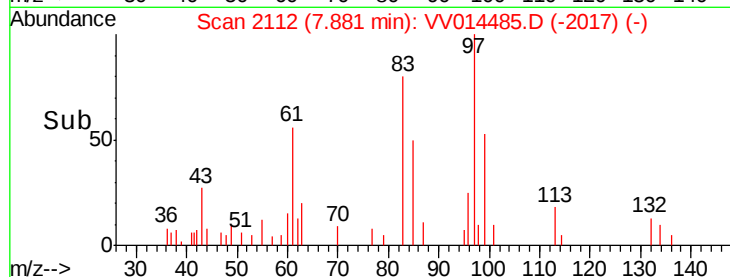
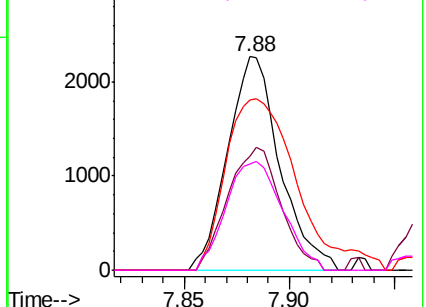


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 2.135 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV014485.D

Acq: 03 Feb 2020 15:34

Tgt Ion: 164 Resp: 4574

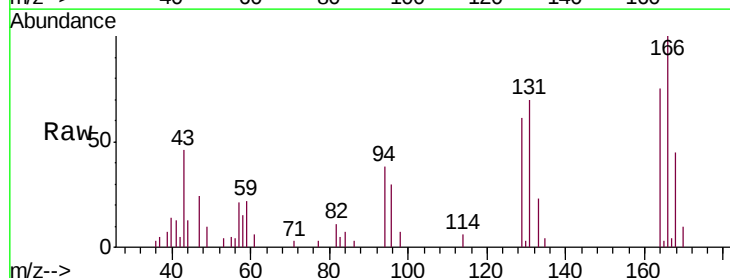
Ion Ratio Lower Upper

164 100

129 80.9 70.4 130.8

131 92.6 65.5 121.7

166 132.7 89.9 166.9

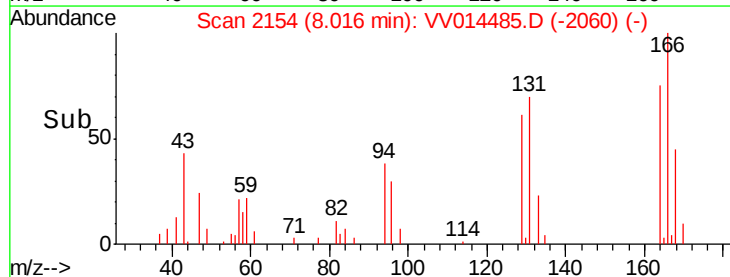
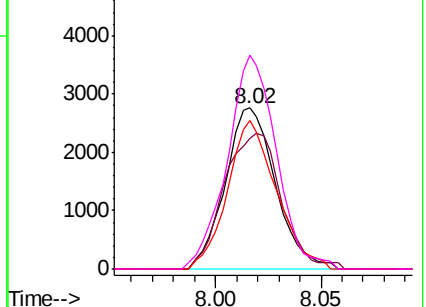


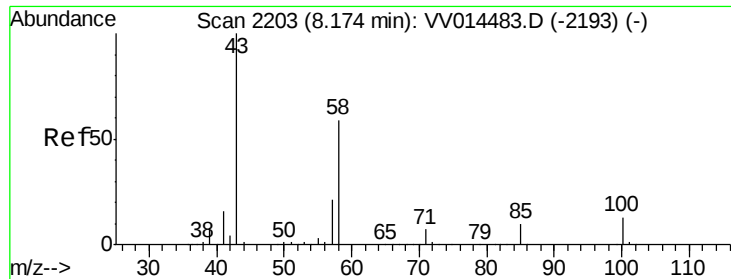
Abundance Ion 164.00 (163.70 to 164.70): V

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

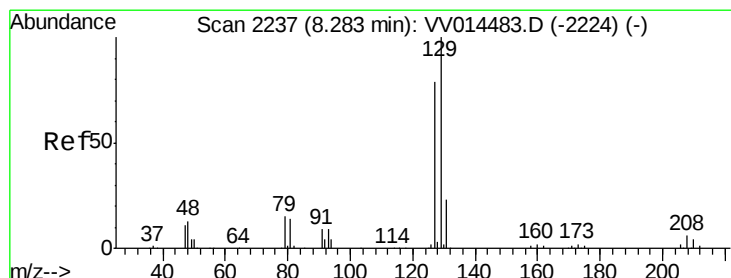
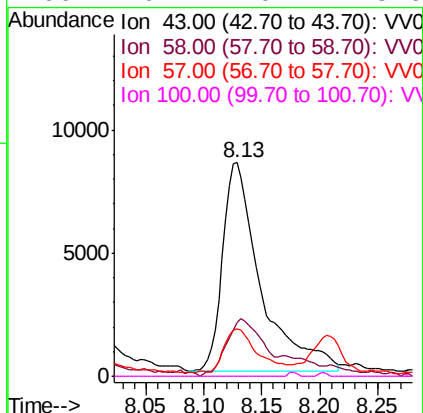
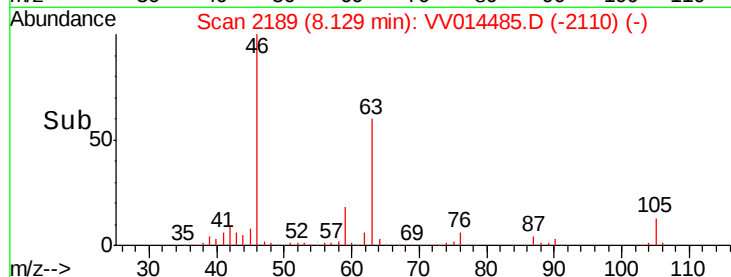
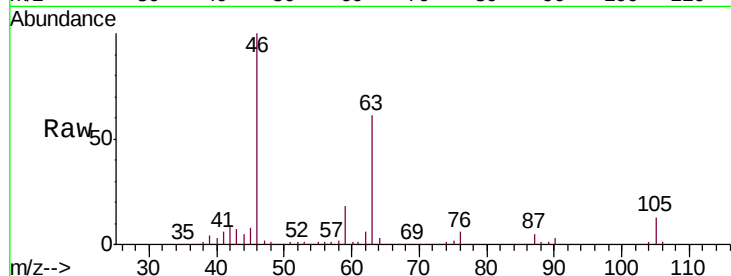




#48
2-Hexanone
Concen: 7.079 ug/L
RT: 8.13 min Scan# 2189
Delta R.T. -0.04 min
Lab File: VV014485.D
Acq: 03 Feb 2020 15:34

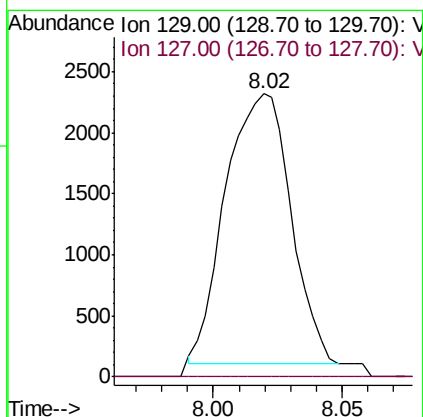
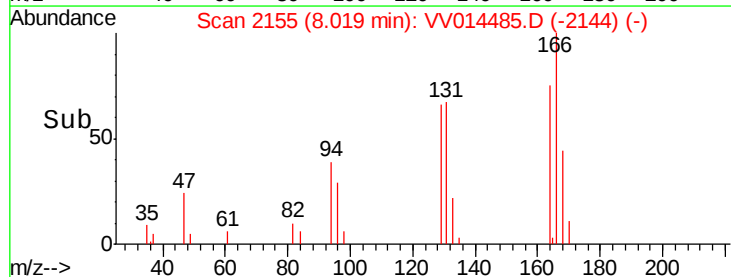
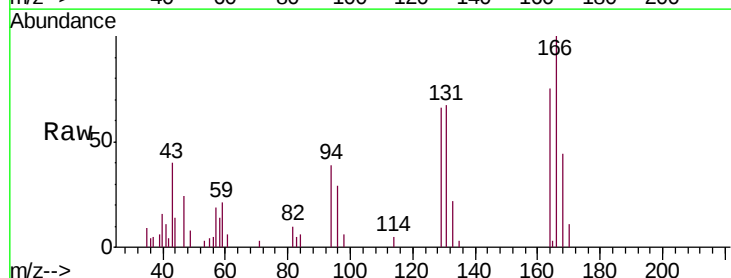
Instrument :
MSVOA_V
ClientSampleId :
DBCS6

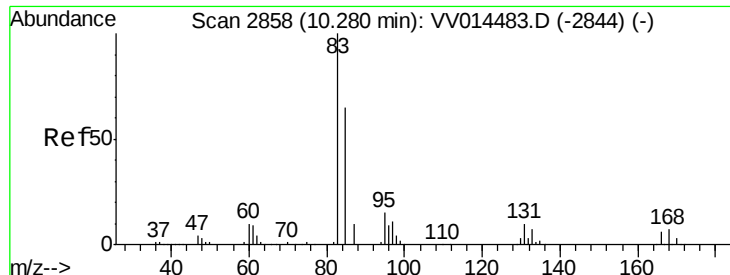
Tgt Ion: 43 Resp: 19407
Ion Ratio Lower Upper
43 100
58 26.0 48.0 72.0#
57 17.5 15.0 22.6
100 0.4 10.4 15.6#



#49
Dibromochloromethane
Concen: 1.297 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. -0.26 min
Lab File: VV014485.D
Acq: 03 Feb 2020 15:34

Tgt Ion: 129 Resp: 3908
Ion Ratio Lower Upper
129 100
127 0.0 55.1 102.3#





#58

1,1,2,2-Tetrachloroethane

Concen: 1.913 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV014485.D

Acq: 03 Feb 2020 15:34

Instrument :

MSVOA_V

ClientSampleId :

DBCS6

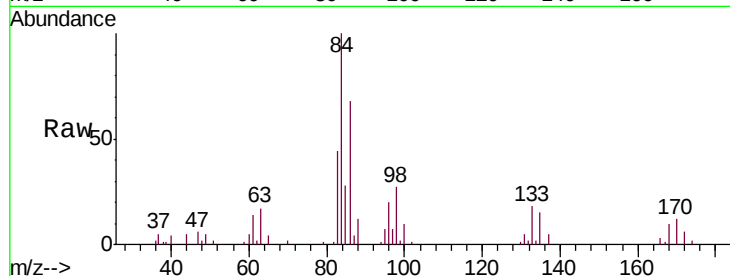
Tgt Ion: 83 Resp: 8370

Ion Ratio Lower Upper

83 100

85 64.6 44.2 82.2

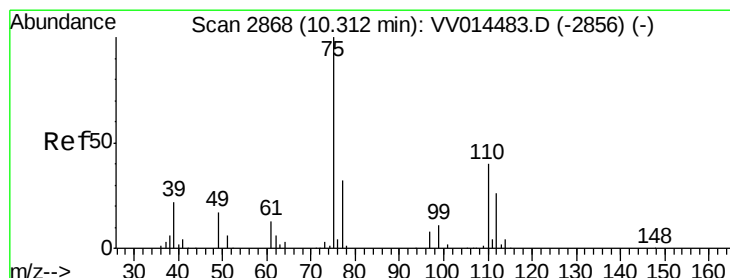
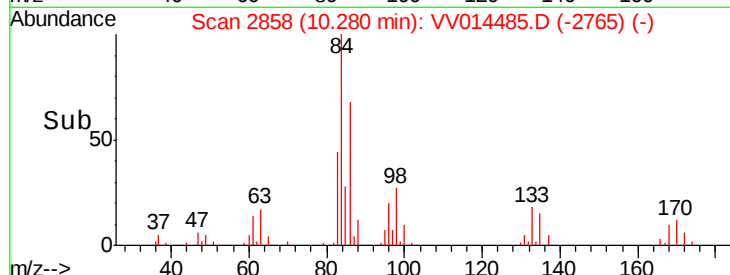
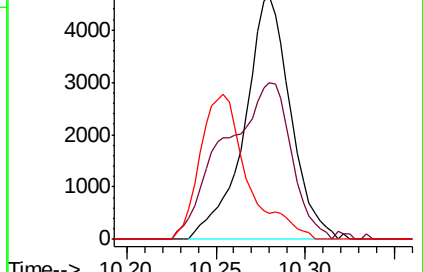
131 10.9 7.6 11.4



Abundance Ion 83.00 (82.70 to 83.70): VV014483.D (-2844) (-)

Ion 85.00 (84.70 to 85.70): VV014483.D (-2844) (-)

Ion 131.00 (130.70 to 131.70): VV014483.D (-2844) (-)



#59

1,2,3-Trichloropropane

Concen: 6.411 ug/L

RT: 11.29 min Scan# 3172

Delta R.T. 0.98 min

Lab File: VV014485.D

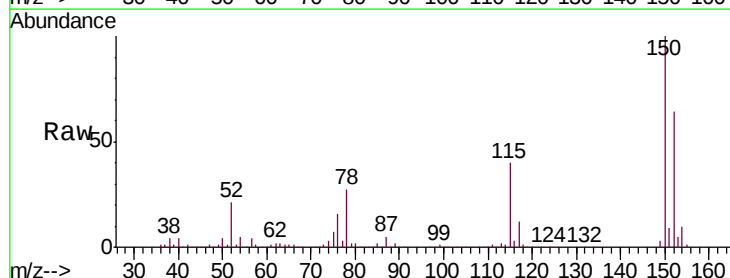
Acq: 03 Feb 2020 15:34

Tgt Ion: 75 Resp: 21964

Ion Ratio Lower Upper

75 100

77 37.1 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VV014483.D (-2856) (-)

Ion 77.00 (76.70 to 77.70): VV014483.D (-2856) (-)

