

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112619\
 Data File : VV013796.D
 Acq On : 26 Nov 2019 19:16
 Operator : SY/MD
 Sample : K6004-02DL 10X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 27 03:12:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Nov 27 03:09:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	338001	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	330863	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	139860	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	77162	3.69	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.80%
7) Chloroethane-d5	1.58	69	79739	4.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.80%
11) 1,1-Dichloroethene-d2	2.13	63	117684	3.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.80%
20) 2-Butanone-d5	3.96	46	239539	55.08	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	110.16%
24) Chloroform-d	4.40	84	193951	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.00%
26) 1,2-Dichloroethane-d4	5.08	65	103646	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.20%
32) Benzene-d6	5.09	84	361880	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.80%
36) 1,2-Dichloropropane-d6	6.11	67	116533	4.58	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.60%
41) Toluene-d8	7.36	98	294454	3.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.60%
43) trans-1,3-Dichloropropene-	7.66	79	38948	3.93	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.60%
46) 2-Hexanone-d5	8.14	63	183214	50.16	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.32%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	91810	5.20	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	104.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	126051	5.11	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.20%

Target Compounds

					Ovalue
3) Chloromethane	1.25	50	3182	0.161 ug/L #	66
5) Vinyl chloride	1.32	62	5097	0.252 ug/L #	1
8) Chloroethane	1.58	64	2081	0.171 ug/L #	55
12) 1,1-Dichloroethene	2.14	96	15075	0.928 ug/L #	1
14) Carbon disulfide	2.31	76	1954	0.052 ug/L #	50
16) Methylene chloride	2.53	84	3953	0.178 ug/L	84
19) 1,1-Dichloroethane	3.23	63	7954	0.217 ug/L	94
22) cis-1,2-Dichloroethene	3.96	96	54639	2.539 ug/L	100
25) Chloroform	4.42	83	15658	0.403 ug/L	86
34) Trichloroethene	5.96	95	164782	7.360 ug/L	97
35) Methylcyclohexane	6.12	83	30277	1.014 ug/L #	20
37) 1,2-Dichloropropane	6.12	63	13561	0.650 ug/L #	87
38) Bromodichloromethane	6.56	83	1747	0.063 ug/L #	80
44) trans-1,3-Dichloropropene	7.66	75	1950	0.084 ug/L	88
48) 2-Hexanone	8.14	43	32867	3.783 ug/L #	72

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QLast Update : Wed Nov 27 03:09:16 2019
Response via : Initial Calibration

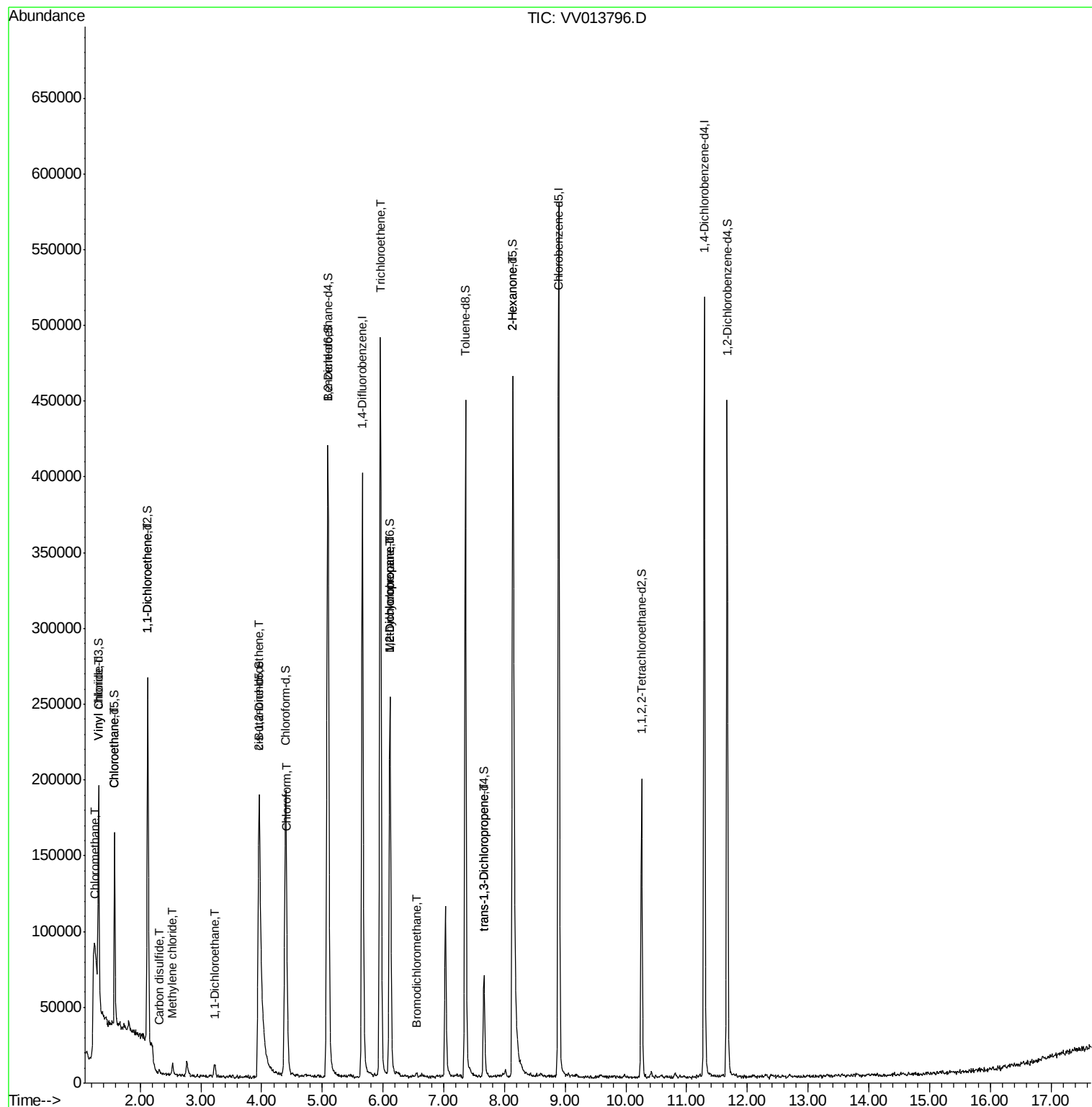
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

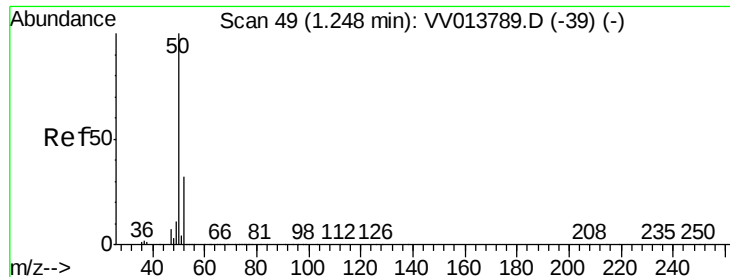
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#3

Chloromethane

Concen: 0.161 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV013796.D

Acq: 26 Nov 2019 19:16

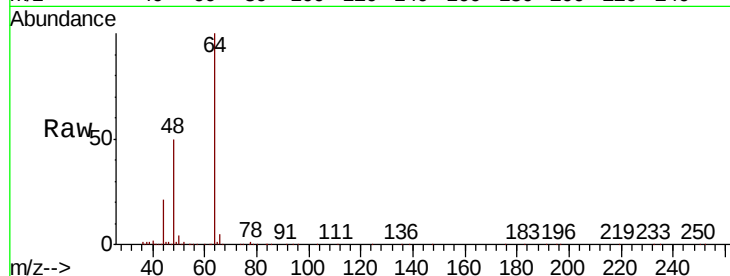
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 50 Resp: 3182

Ion Ratio Lower Upper

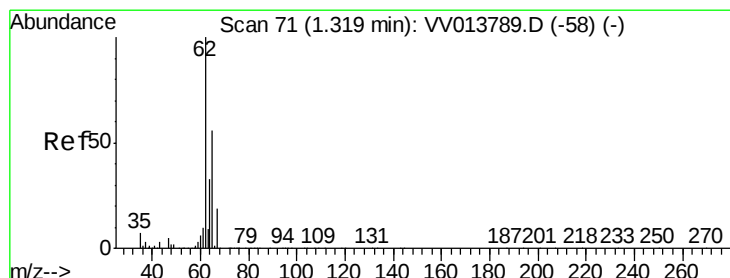
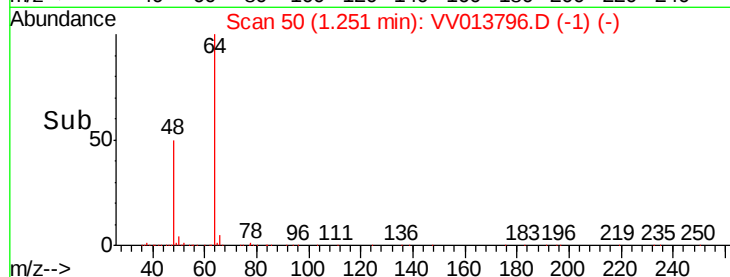
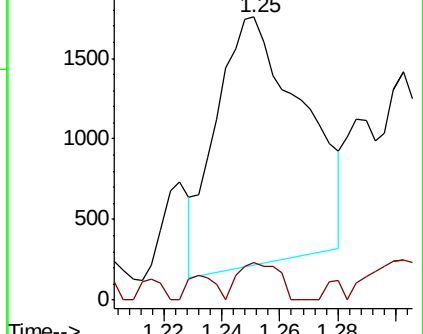
50 100

52 13.4 22.5 41.7#



Abundance Ion 50.05 (49.75 to 50.75): VV013789.D (-39) (-)

Ion 52.05 (51.75 to 52.75): VV013789.D (-39) (-)



#5

Vinyl chloride

Concen: 0.252 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV013796.D

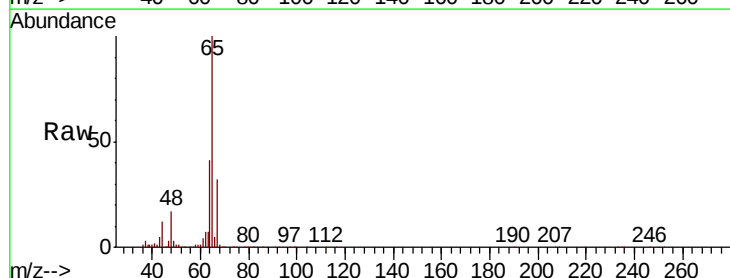
Acq: 26 Nov 2019 19:16

Tgt Ion: 62 Resp: 5097

Ion Ratio Lower Upper

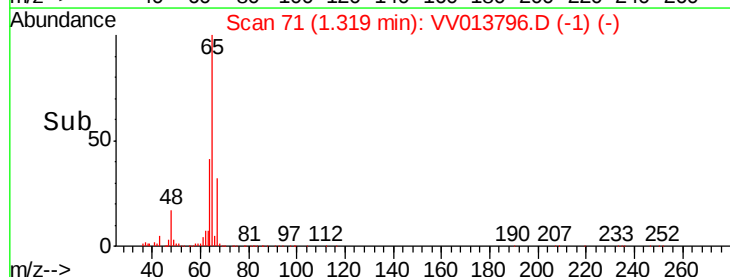
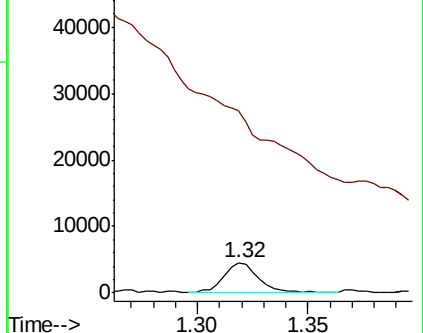
62 100

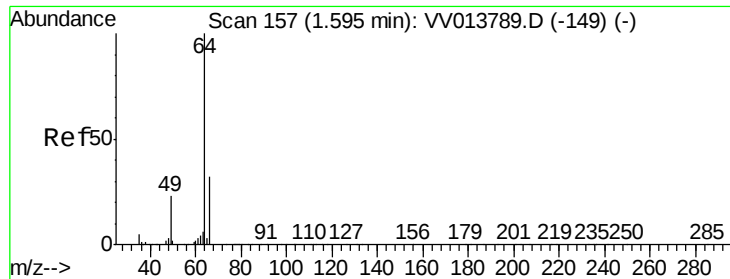
64 600.4 23.3 43.3#



Abundance Ion 62.00 (61.70 to 62.70): VV013789.D (-58) (-)

Ion 64.10 (63.80 to 64.80): VV013789.D (-58) (-)





#8

Chloroethane

Concen: 0.171 ug/L

RT: 1.58 min Scan# 152

Delta R.T. -0.02 min

Lab File: VV013796.D

Acq: 26 Nov 2019 19:16

Instrument :

MSVOA_V

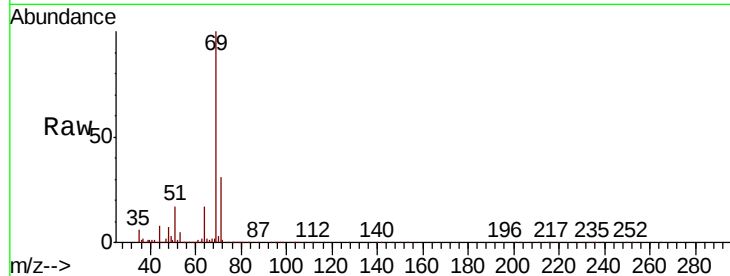
ClientSampled :

Tot Ion: 64 Resp: 2081

Ion Ratio Lower Upper

64 100

66 7.0 22.6 42.0#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0

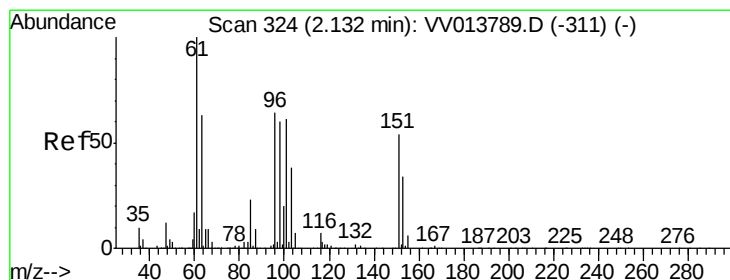
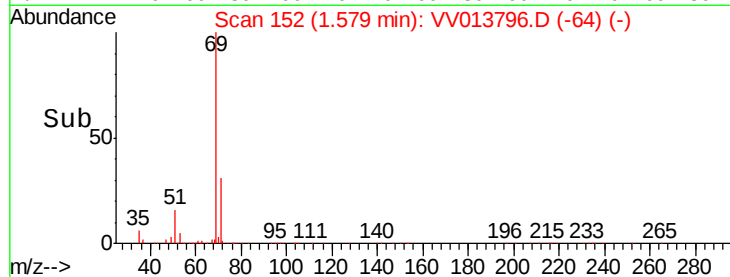
1.58

10000

5000

0

Time-->



#12

1,1-Dichloroethene

Concen: 0.928 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV013796.D

Acq: 26 Nov 2019 19:16

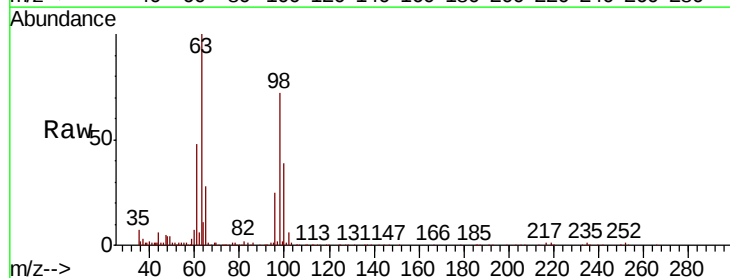
Tgt Ion: 96 Resp: 15075

Ion Ratio Lower Upper

96 100

61 194.9 116.3 215.9

63 403.9 96.7 179.7#



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

100000

80000

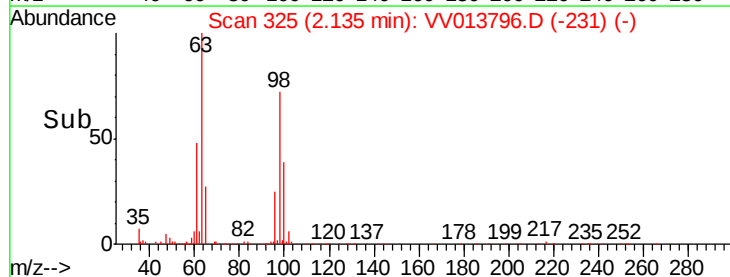
60000

40000

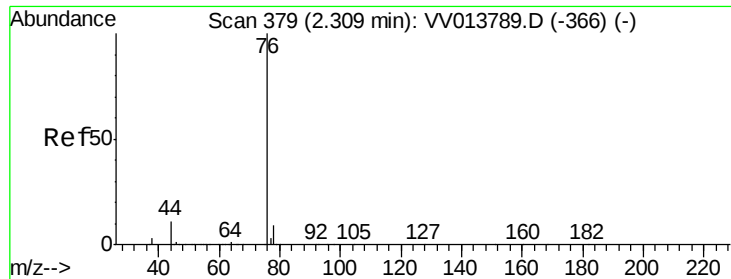
20000

0

Time-->



2.14



#14

Carbon disulfide

Concen: 0.052 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV013796.D

Acq: 26 Nov 2019 19:16

Instrument :

MSVOA_V

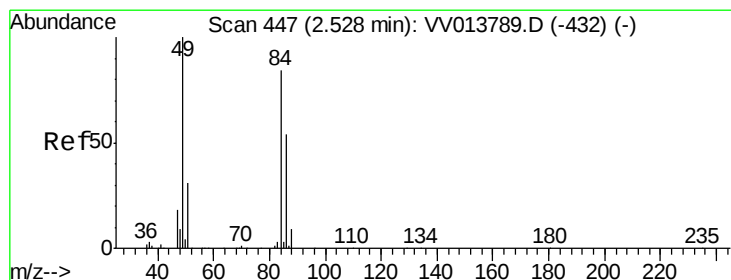
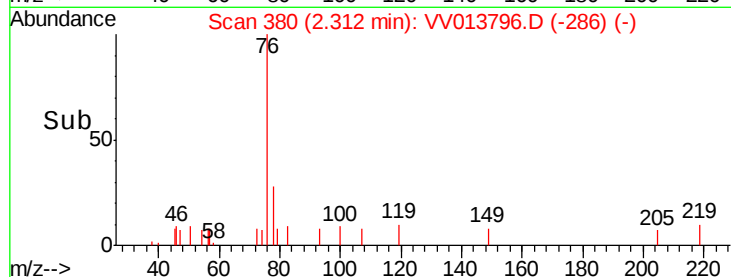
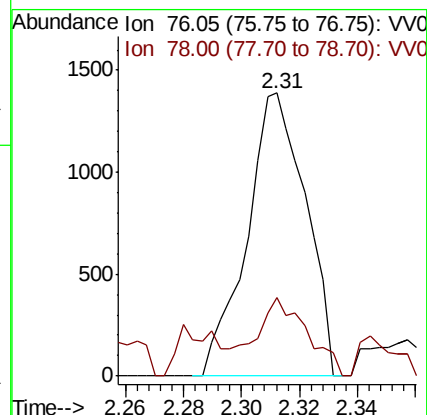
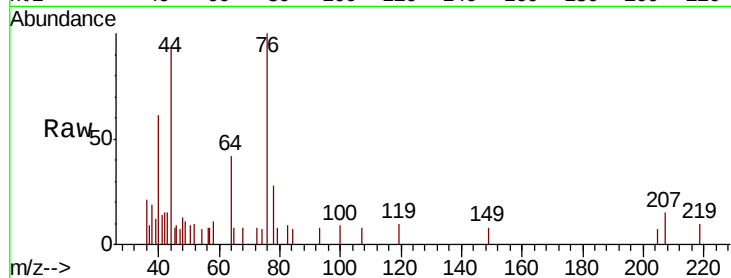
ClientSampleId :

Tot Ion: 76 Resp: 1954

Ion Ratio Lower Upper

76 100

78 27.7 7.5 11.3#



#16

Methylene chloride

Concen: 0.178 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.01 min

Lab File: VV013796.D

Acq: 26 Nov 2019 19:16

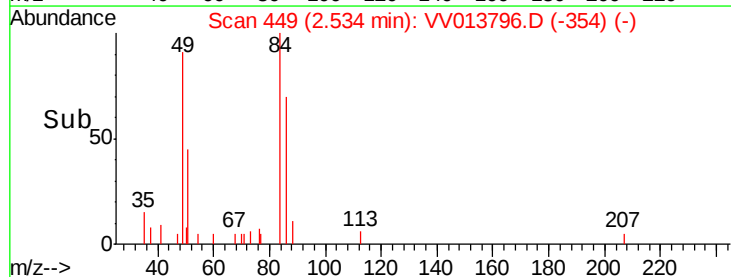
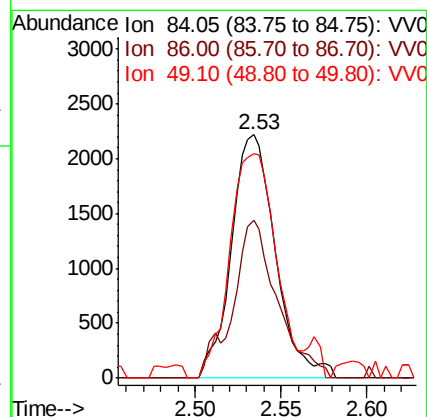
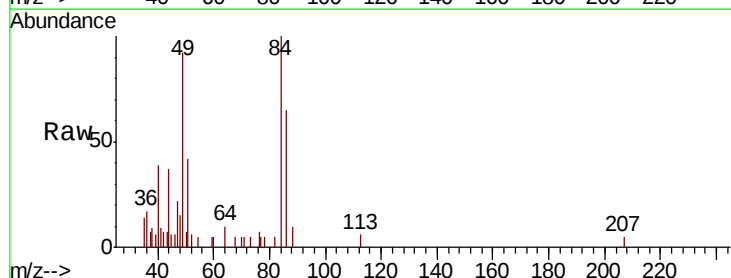
Tgt Ion: 84 Resp: 3953

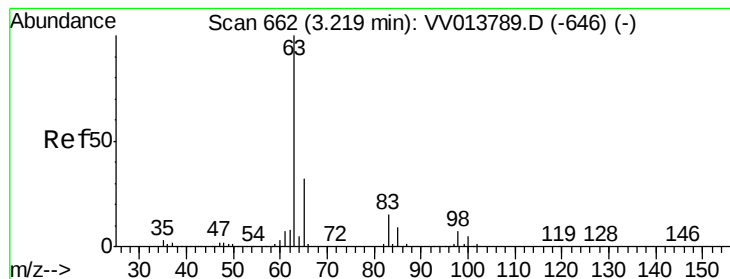
Ion Ratio Lower Upper

84 100

86 65.0 44.0 81.6

49 92.1 81.5 151.5





#19

1,1-Dichloroethane

Concen: 0.217 ug/L

RT: 3.23 min Scan# 664

Delta R.T. 0.01 min

Lab File: VV013796.D

Acq: 26 Nov 2019 19:16

Instrument :

MSVOA_V

ClientSampled :

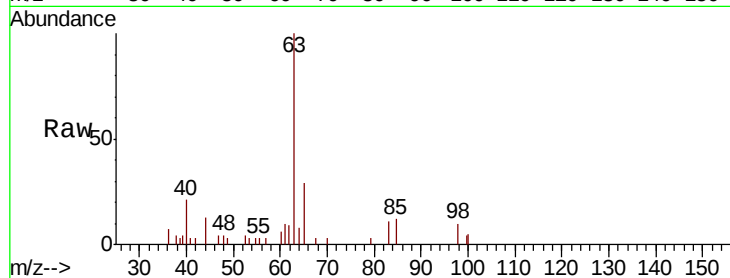
Tot Ion: 63 Resp: 7954

Ion Ratio Lower Upper

63 100

65 29.4 22.7 42.1

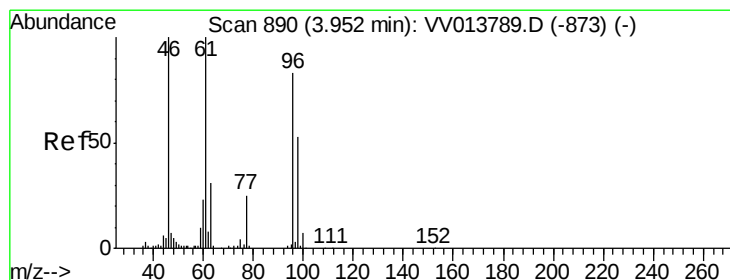
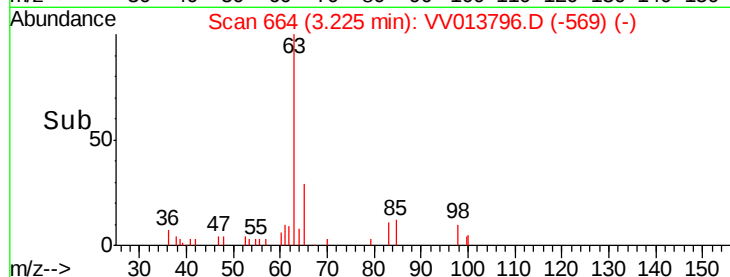
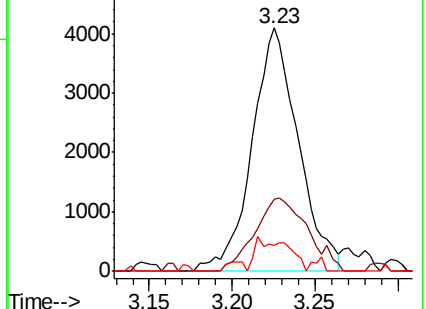
83 10.7 9.2 17.2



Abundance Ion 63.10 (62.80 to 63.80): VV013789.D (-646) (-)

Ion 65.10 (64.80 to 65.80): VV013789.D (-646) (-)

Ion 83.05 (82.75 to 83.75): VV013789.D (-646) (-)



#22

cis-1,2-Dichloroethene

Concen: 2.539 ug/L

RT: 3.96 min Scan# 893

Delta R.T. 0.01 min

Lab File: VV013796.D

Acq: 26 Nov 2019 19:16

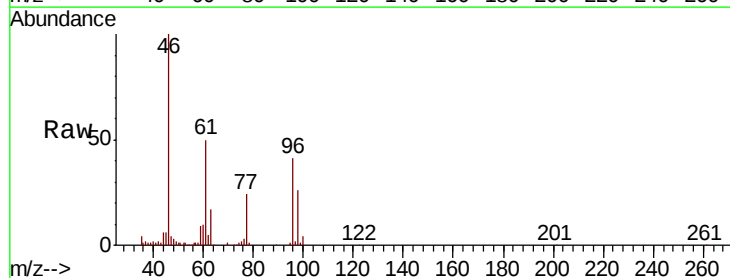
Tgt Ion: 96 Resp: 54639

Ion Ratio Lower Upper

96 100

61 122.7 86.1 159.9

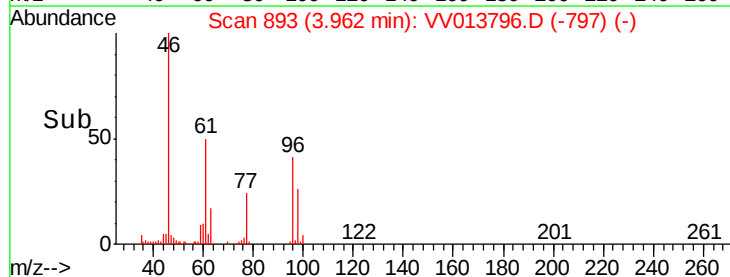
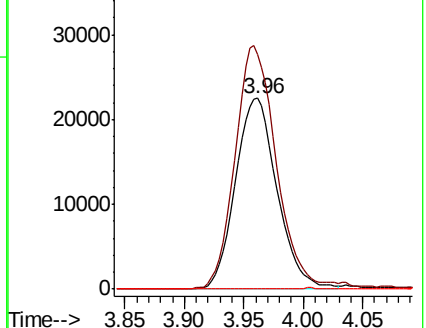
68 0.0 0.0 0.0

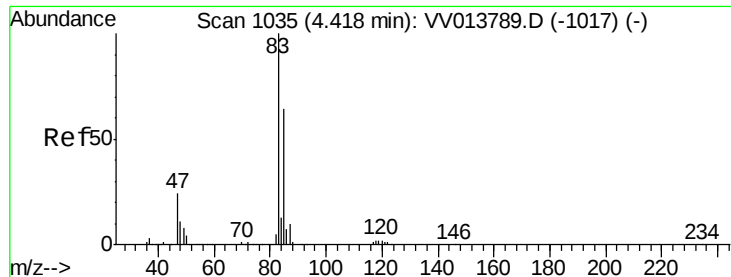


Abundance Ion 96.00 (95.70 to 96.70): VV013789.D (-873) (-)

Ion 61.05 (60.75 to 61.75): VV013789.D (-873) (-)

Ion 68.15 (67.85 to 68.85): VV013789.D (-873) (-)

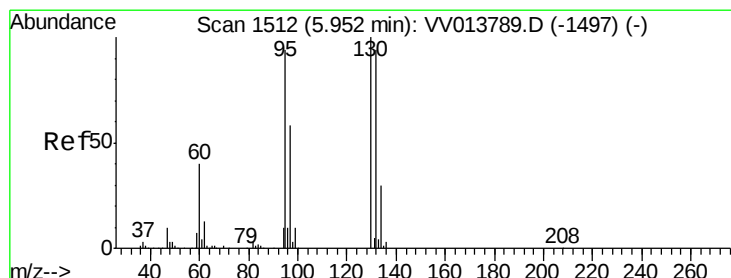
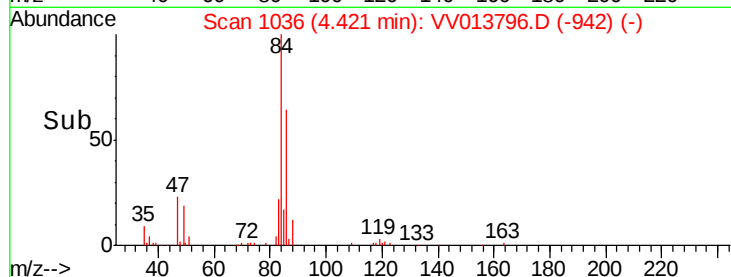
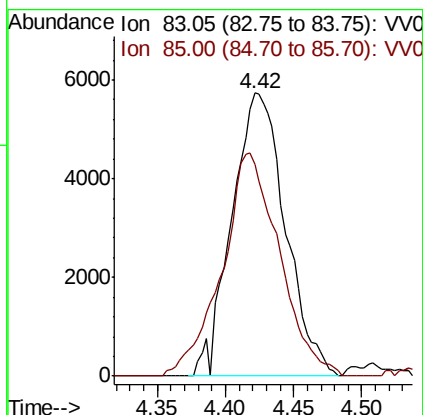
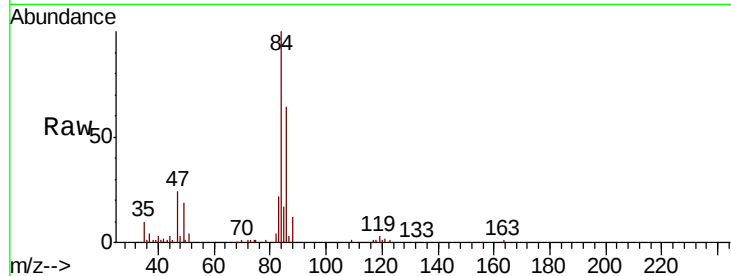




#25
Chloroform
Concen: 0.403 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. 0.00 min
Lab File: VV013796.D
Acq: 26 Nov 2019 19:16

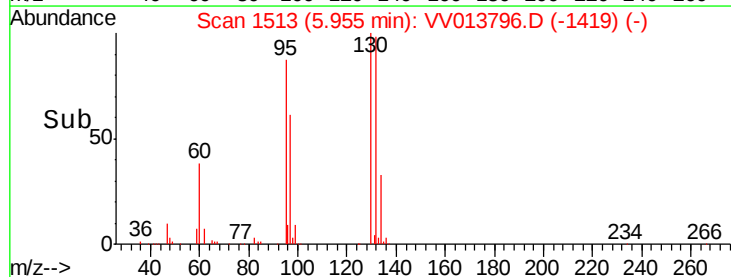
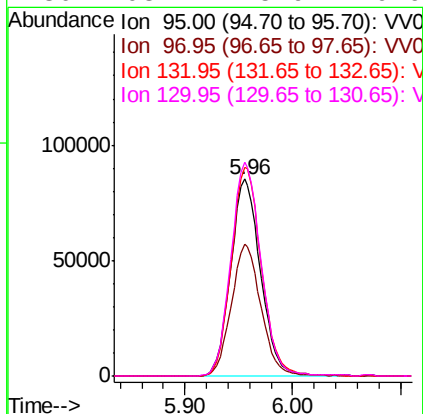
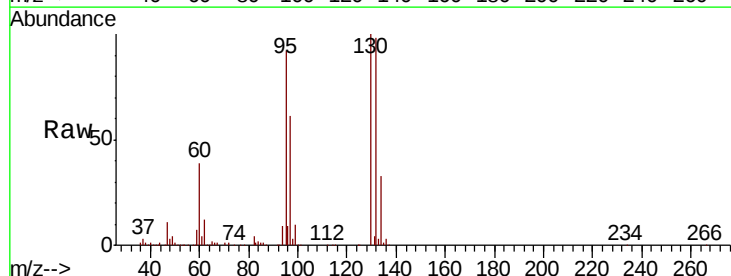
Instrument :
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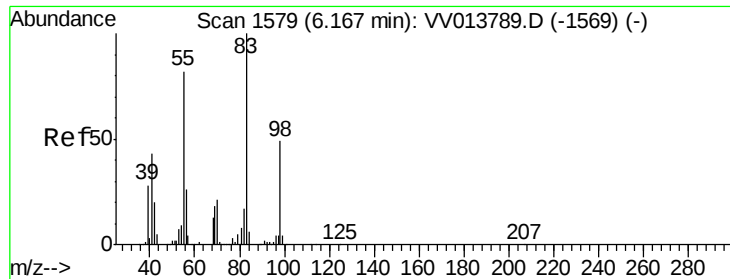
Tot Ion: 83 Resp: 15658
Ion Ratio Lower Upper
83 100
85 75.0 45.1 83.7



#34
Trichloroethene
Concen: 7.360 ug/L
RT: 5.96 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VV013796.D
Acq: 26 Nov 2019 19:16

Tgt Ion: 95 Resp: 164782
Ion Ratio Lower Upper
95 100
97 66.8 45.6 84.8
132 106.5 70.5 130.9
130 108.7 75.9 140.9

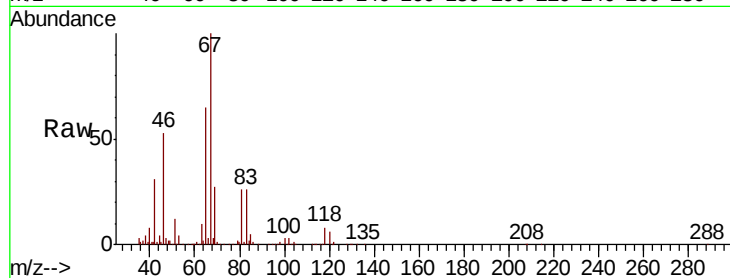




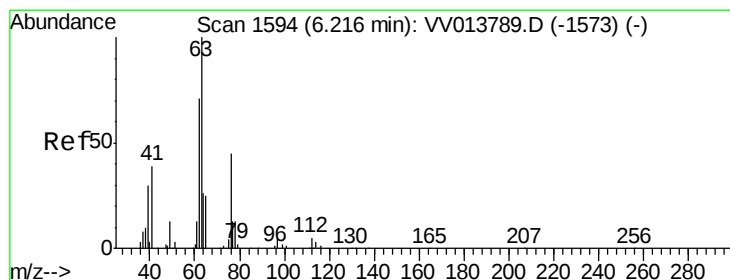
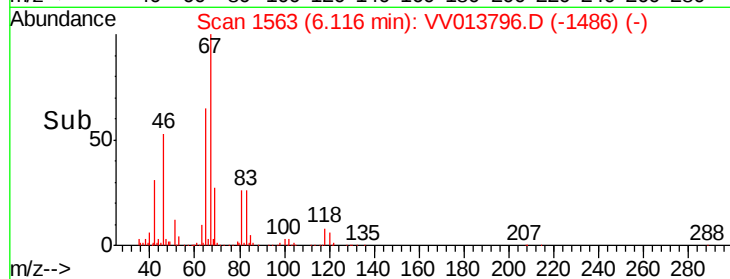
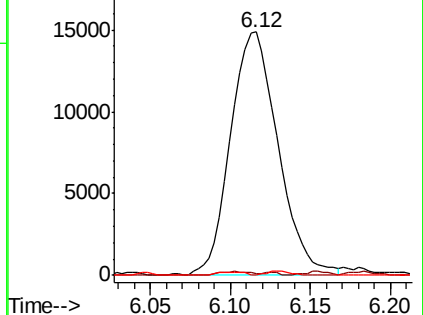
#35
Methvlcvclohexane
Concen: 1.014 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.05 min
Lab File: VV013796.D
Acq: 26 Nov 2019 19:16

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 30277
Ion Ratio Lower Upper
83 100
55 1.1 60.3 90.5#
98 0.8 38.1 57.1#

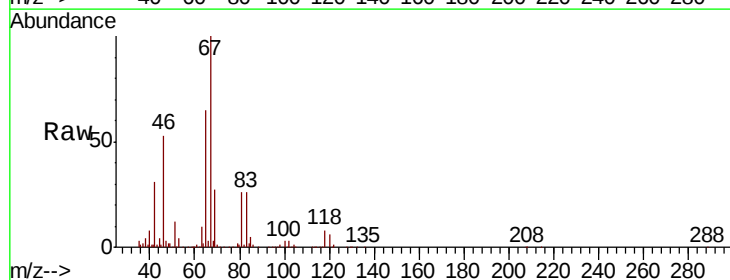


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

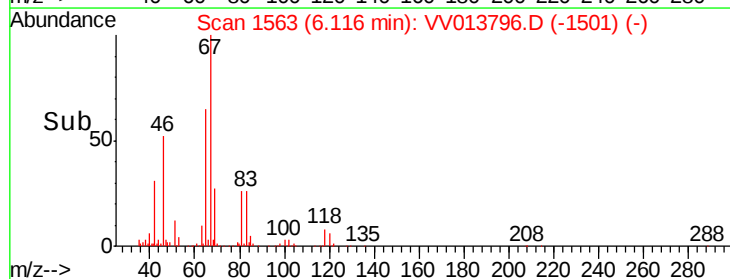
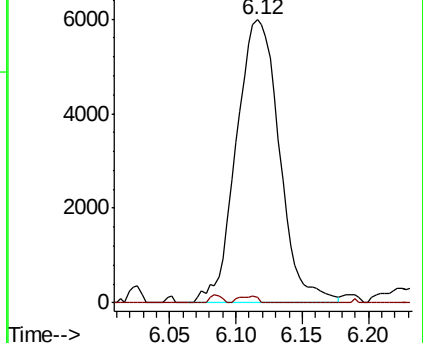


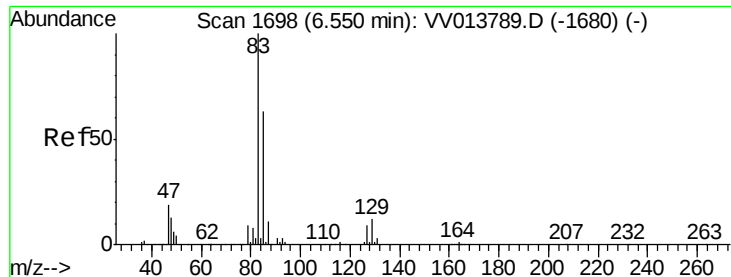
#37
1,2-Dichloropropane
Concen: 0.650 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.10 min
Lab File: VV013796.D
Acq: 26 Nov 2019 19:16

Tgt Ion: 63 Resp: 13561
Ion Ratio Lower Upper
63 100
112 1.1 4.4 6.6#



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





#38

Bromodichloromethane

Concen: 0.063 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. 0.01 min

Lab File: VV013796.D

Acq: 26 Nov 2019 19:16

Instrument :

MSVOA_V

ClientSampleId :

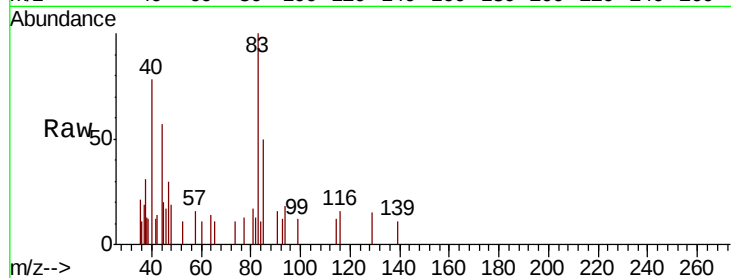
Tot Ion: 83 Resp: 1747

Ion Ratio Lower Upper

83 100

85 50.3 46.1 85.5

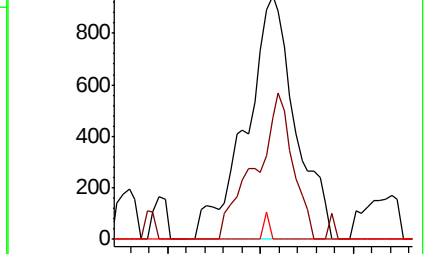
127 0.0 7.5 11.3#



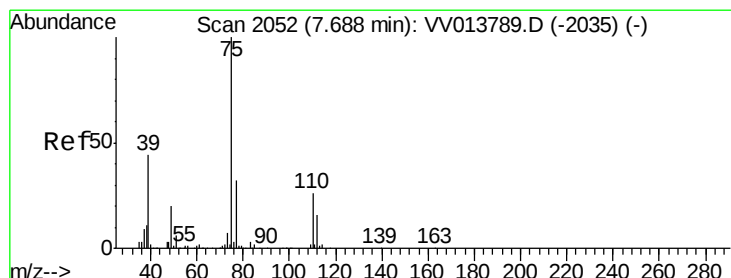
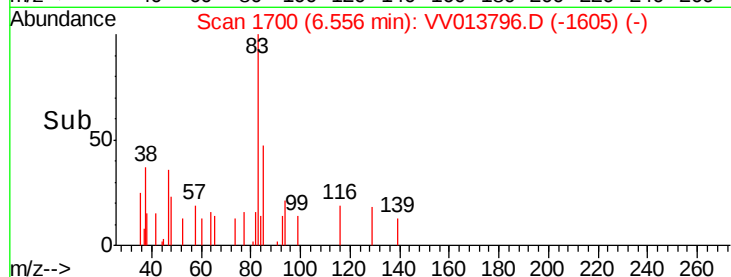
Abundance Ion 82.95 (82.65 to 83.65): VV013789.D (-1680) (-)

Ion 85.00 (84.70 to 85.70): VV013789.D (-1680) (-)

Ion 126.90 (126.60 to 127.60): VV013789.D (-1680) (-)



Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.084 ug/L

RT: 7.66 min Scan# 2042

Delta R.T. -0.03 min

Lab File: VV013796.D

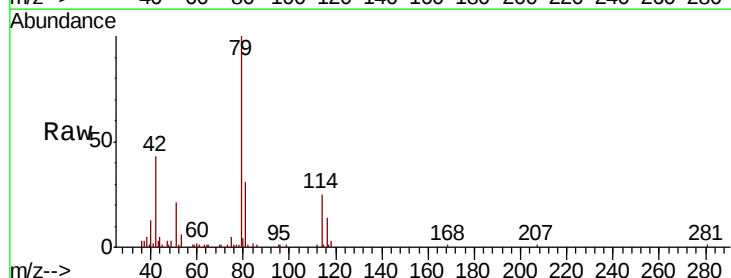
Acq: 26 Nov 2019 19:16

Tgt Ion: 75 Resp: 1950

Ion Ratio Lower Upper

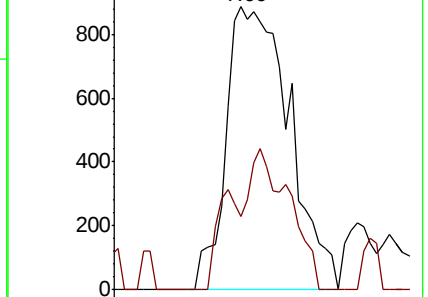
75 100

77 26.0 23.0 42.8

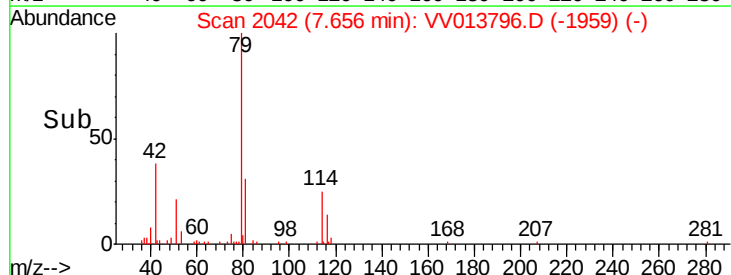


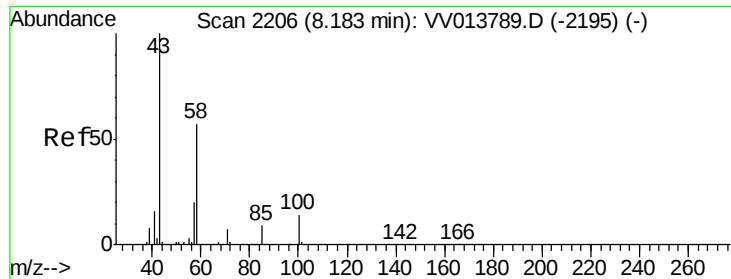
Abundance Ion 75.05 (74.75 to 75.75): VV013789.D (-2035) (-)

Ion 77.05 (76.75 to 77.75): VV013789.D (-2035) (-)



Time-->





#48
 2-Hexanone
 Concen: 3.783 ug/L
 RT: 8.14 min Scan# 2191
 Delta R.T. -0.05 min
 Lab File: VV013796.D
 Acq: 26 Nov 2019 19:16

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
43	100		
58	30.9	43.2	64.8#
57	26.2	15.4	23.2#
100	2.6	10.4	15.6#

