

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052620\
 Data File : VV016201.D
 Acq On : 26 May 2020 19:33
 Operator : SY/MD
 Sample : L2731-14DL 5X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 27 03:15:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed May 27 03:06:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	106498	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	101615	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	46864	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	31466	4.60	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.00%
7) Chloroethane-d5	1.58	69	28102	4.68	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.60%
11) 1,1-Dichloroethene-d2	2.13	63	44086	3.43	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.60%
20) 2-Butanone-d5	3.93	46	86101	50.75	ug/L	-0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.50%
24) Chloroform-d	4.38	84	63870	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
26) 1,2-Dichloroethane-d4	5.06	65	33778	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.80%
32) Benzene-d6	5.08	84	125425	4.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.60%
36) 1,2-Dichloropropane-d6	6.10	67	38922	5.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.00%
41) Toluene-d8	7.34	98	116129	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.80%
45) trans-1,3-Dichloropropene-	7.65	79	14045	4.84	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.80%
48) 2-Hexanone-d5	8.12	63	63022	47.34	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.68%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	26648	4.63	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.60%
65) 1,2-Dichlorobenzene-d4	11.65	152	40237	5.14	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.80%

Target Compounds

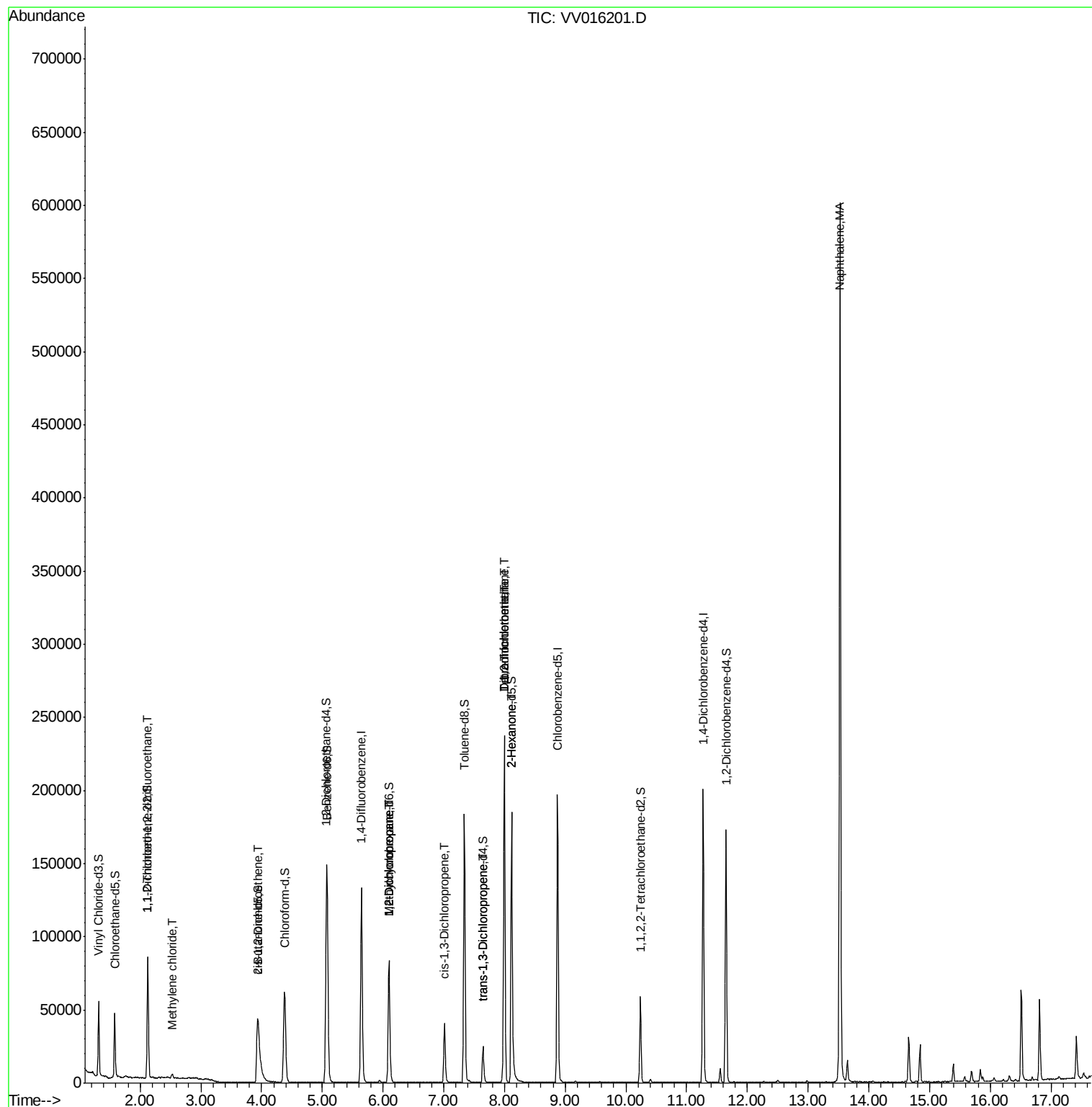
					Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	516	0.079 ug/L #	21
16) Methylene chloride	2.53	84	1111	0.154 ug/L	81
22) cis-1,2-Dichloroethene	3.94	96	1197	0.147 ug/L	92
35) Methylcyclohexane	6.10	83	9709	0.756 ug/L #	16
37) 1,2-Dichloropropane	6.09	63	4537	0.633 ug/L #	88
39) cis-1,3-Dichloropropene	7.01	75	1162	0.114 ug/L #	73
46) trans-1,3-Dichloropropene	7.65	75	611	0.072 ug/L #	62
47) 1,1,2-Trichloroethane	8.00	97	507	0.107 ug/L #	4
49) Tetrachloroethene	8.00	164	47372	8.662 ug/L	99
50) 2-Hexanone	8.12	43	8661	2.783 ug/L #	74
51) Dibromochloromethane	8.00	129	46151	9.237 ug/L #	10
70) Naphthalene	13.52	128	436679	22.490 ug/L	100

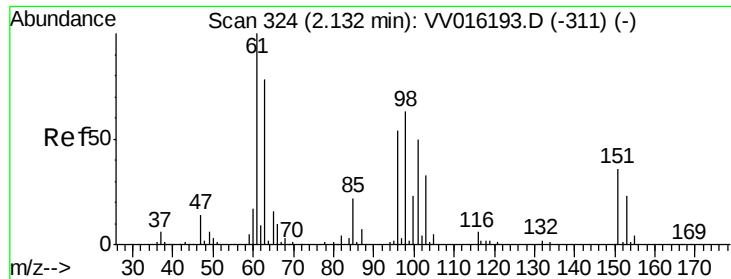
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV052620\
Data File : VV016201.D
Acq On : 26 May 2020 19:33
Operator : SY/MD
Sample : L2731-14DL 5X
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: May 27 03:15:54 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed May 27 03:06:56 2020
Response via : Initial Calibration





#10

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

Concen: 0.079 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV016201.D

Acq: 26 May 2020 19:33

Instrument :

MSVOA_V

ClientSampleId :

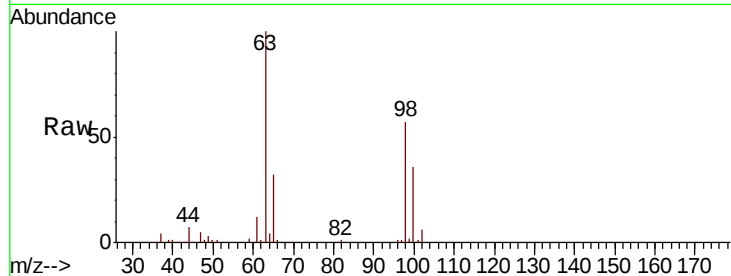
Tot Ion:101 Resp: 516

Ion Ratio Lower Upper

101 100

85 0.0 35.0 52.6#

151 0.0 56.3 84.5#



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

2.13

400

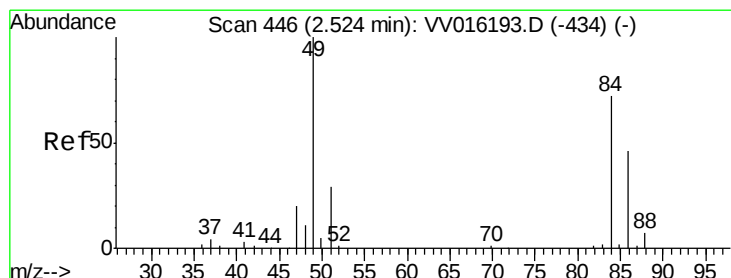
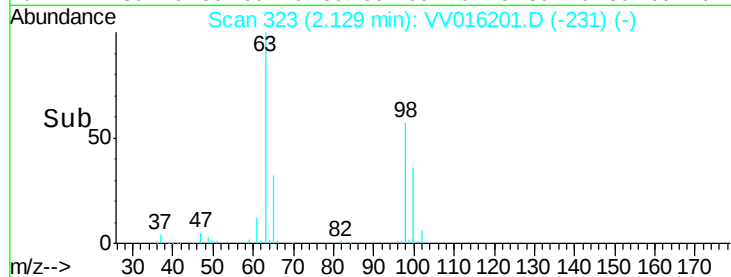
300

200

100

0

Time-->



#16

Methylene chloride

Concen: 0.154 ug/L

RT: 2.53 min Scan# 447

Delta R.T. 0.00 min

Lab File: VV016201.D

Acq: 26 May 2020 19:33

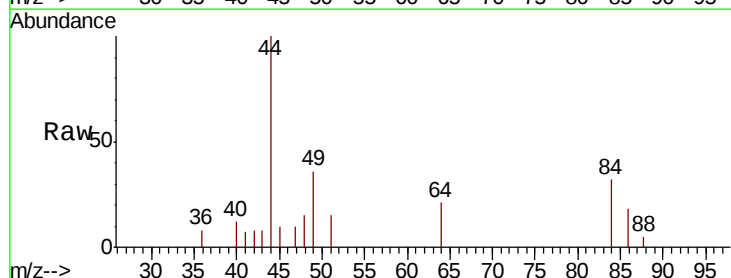
Tgt Ion: 84 Resp: 1111

Ion Ratio Lower Upper

84 100

86 54.7 44.9 83.5

49 111.4 96.7 179.7



Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

1000

800

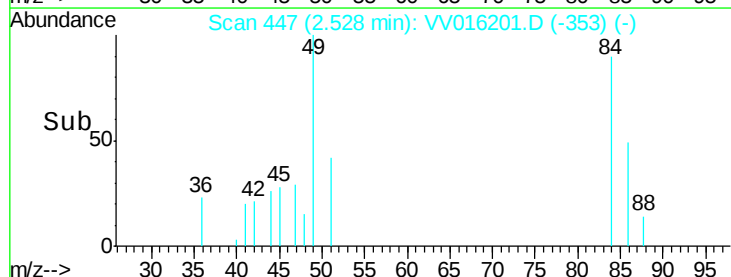
600

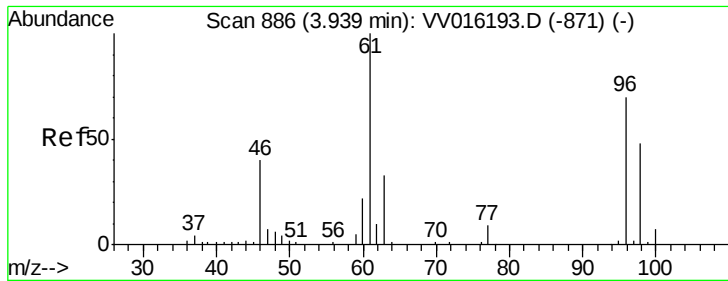
400

200

0

Time-->



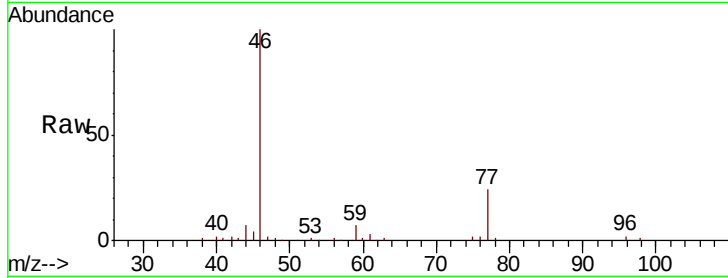


#22

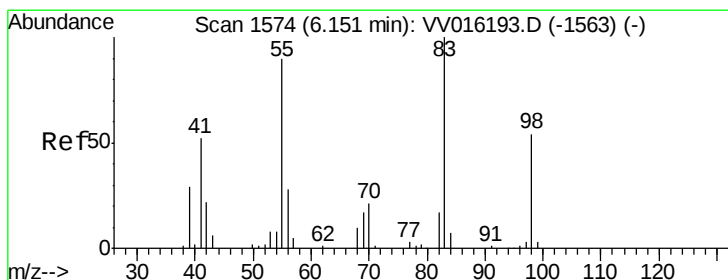
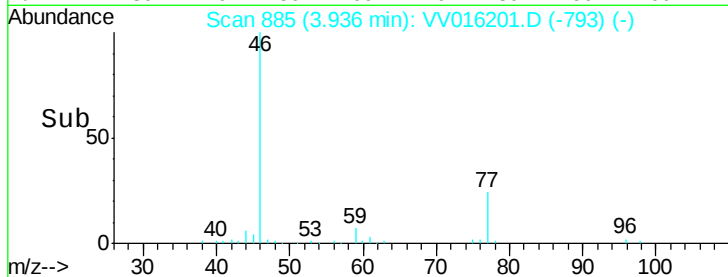
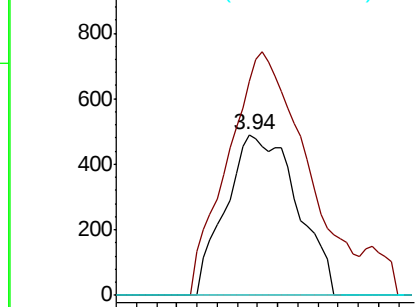
cis-1,2-Dichloroethene
Concen: 0.147 ug/L
RT: 3.94 min Scan# 885
Delta R.T. -0.00 min
Lab File: VV016201.D
Acq: 26 May 2020 19:33

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 1197
Ion Ratio Lower Upper
96 100
61 133.1 99.7 185.1
68 0.0 0.0 0.0



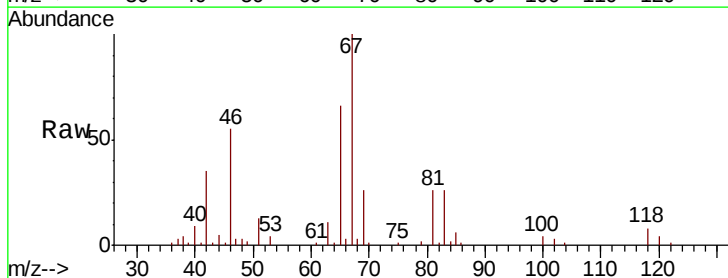
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



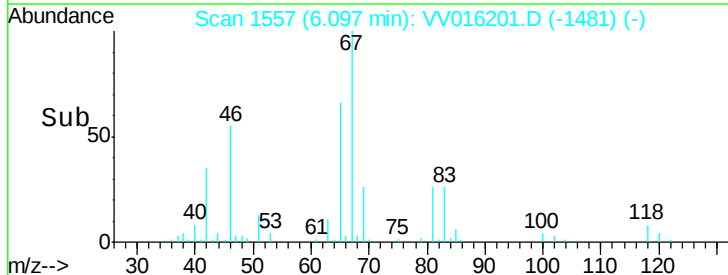
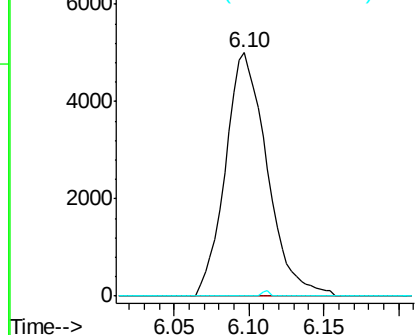
#35

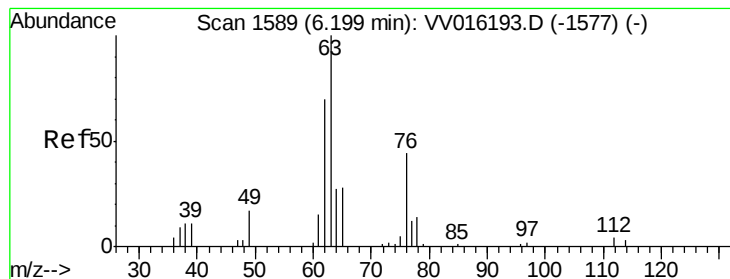
Methylcyclohexane
Concen: 0.756 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.05 min
Lab File: VV016201.D
Acq: 26 May 2020 19:33

Tgt Ion: 83 Resp: 9709
Ion Ratio Lower Upper
83 100
55 0.0 65.4 98.0#
98 0.4 39.3 58.9#



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: 0.633 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.11 min

Lab File: VV016201.D

Acq: 26 May 2020 19:33

Instrument :

MSVOA_V

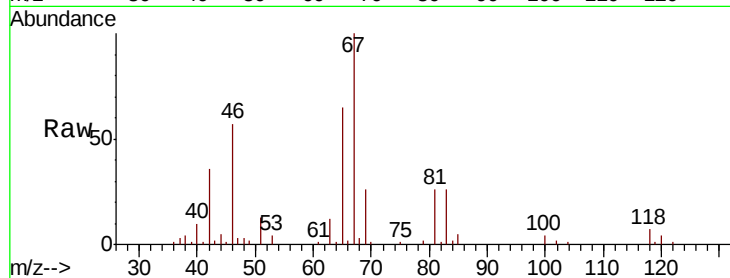
ClientSampleId :

Tot Ion: 63 Resp: 4537

Ion Ratio Lower Upper

63 100

112 0.0 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VV016193.D (-1577) (-)

Ion 112.10 (111.80 to 112.80): VV016193.D (-1577) (-)

2500

2000

1500

1000

500

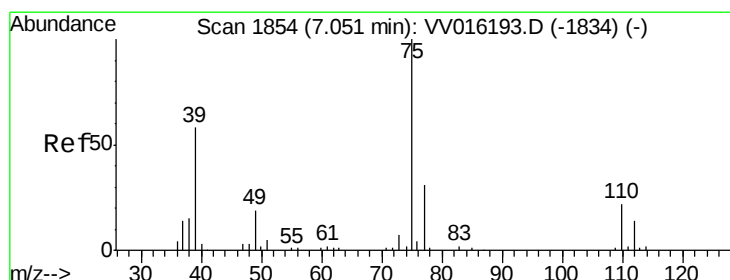
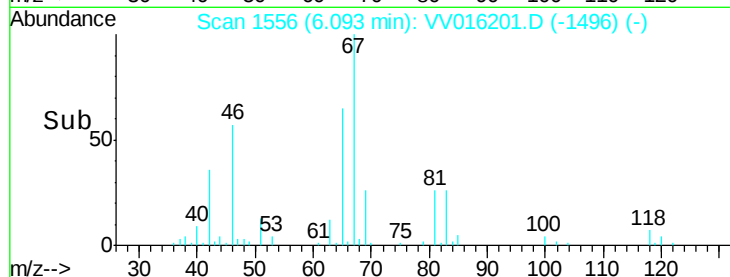
0

6.05

6.10

6.15

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.114 ug/L

RT: 7.01 min Scan# 1842

Delta R.T. -0.04 min

Lab File: VV016201.D

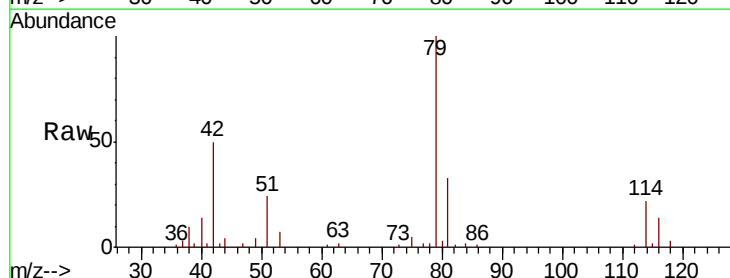
Acq: 26 May 2020 19:33

Tgt Ion: 75 Resp: 1162

Ion Ratio Lower Upper

75 100

77 45.7 21.7 40.3#



Abundance Ion 75.05 (74.75 to 75.75): VV016193.D (-1834) (-)

Ion 77.05 (76.75 to 77.75): VV016193.D (-1834) (-)

600

400

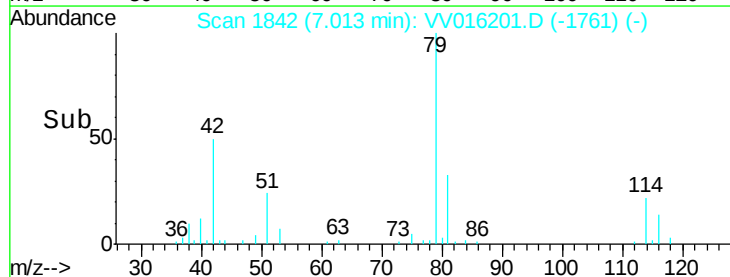
200

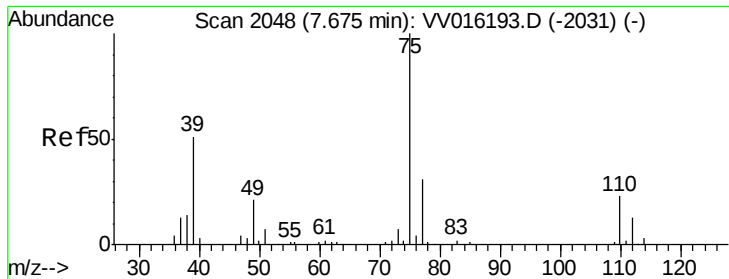
0

7.00

7.05

Time-->





#46

trans-1,3-Dichloropropene

Concen: 0.072 ug/L

RT: 7.65 min Scan# 2039

Delta R.T. -0.03 min

Lab File: VV016201.D

Acq: 26 May 2020 19:33

Instrument :

MSVOA_V

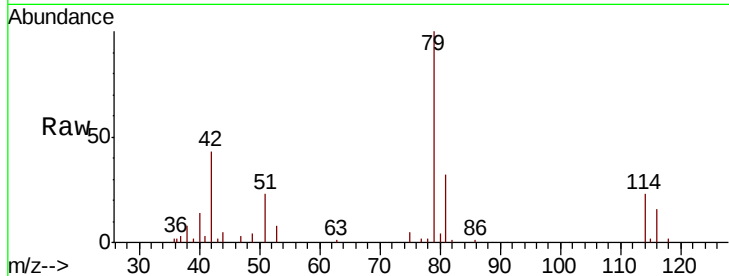
ClientSampleId :

Tot Ion: 75 Resp: 611

Ion Ratio Lower Upper

75 100

77 51.8 21.7 40.3#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.65

400

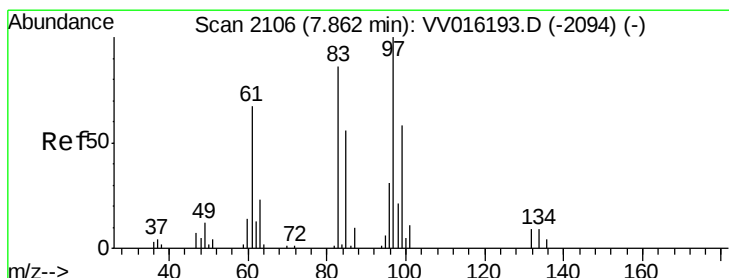
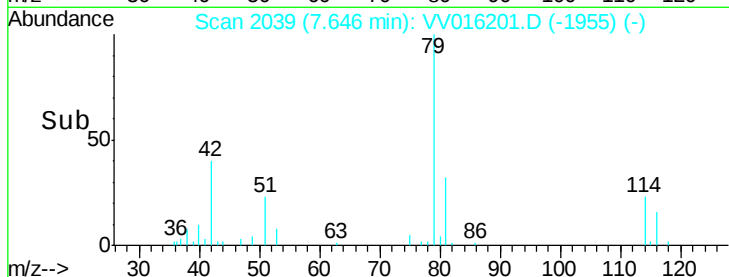
300

200

100

0

Time-->



#47

1,1,2-Trichloroethane

Concen: 0.107 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.14 min

Lab File: VV016201.D

Acq: 26 May 2020 19:33

Tgt Ion: 97 Resp: 507

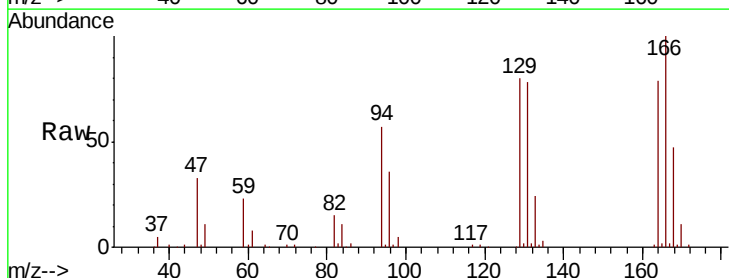
Ion Ratio Lower Upper

97 100

99 0.0 40.8 75.8#

83 228.9 60.0 111.4#

85 39.5 39.3 73.1



Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

1200

1000

800

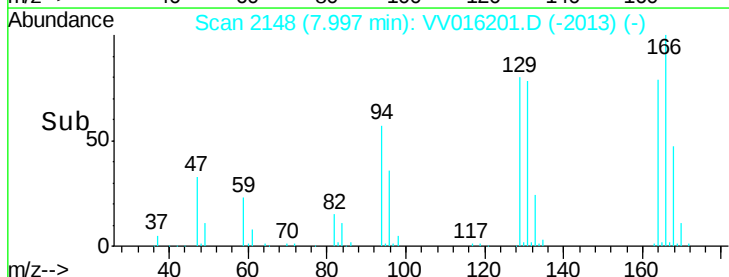
600

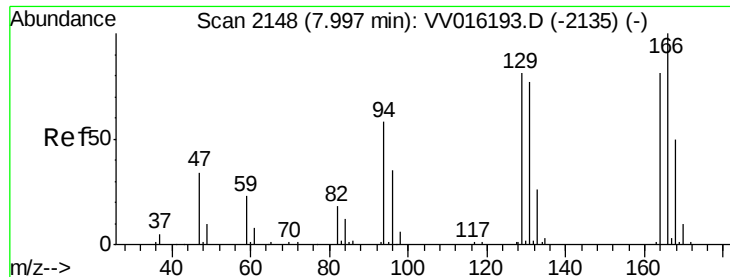
400

200

0

Time-->





#49

Tetrachloroethene

Concen: 8.662 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV016201.D

Acq: 26 May 2020 19:33

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:164 Resp: 47372

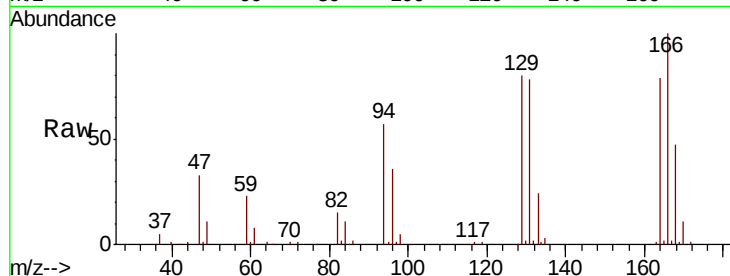
Ion Ratio Lower Upper

164 100

129 101.2 70.7 131.3

131 97.9 66.6 123.8

166 125.8 86.9 161.5

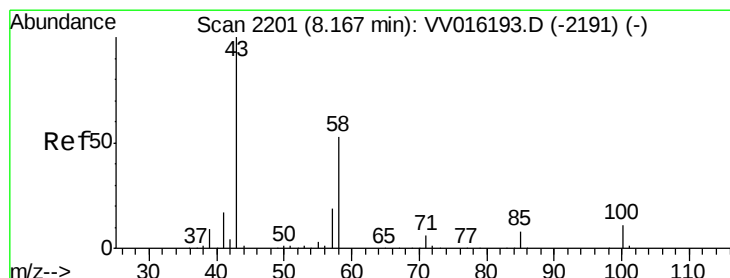
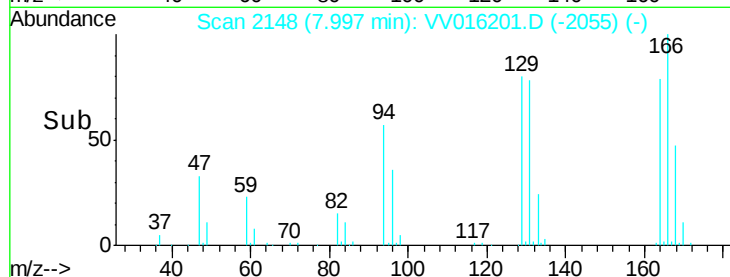
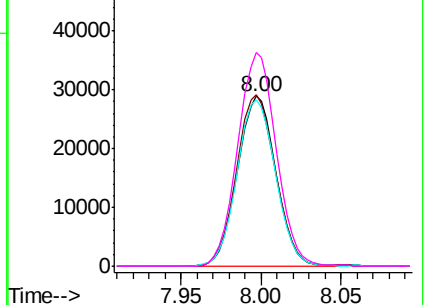


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#50

2-Hexanone

Concen: 2.783 ug/L

RT: 8.12 min Scan# 2185

Delta R.T. -0.05 min

Lab File: VV016201.D

Acq: 26 May 2020 19:33

Tgt Ion: 43 Resp: 8661

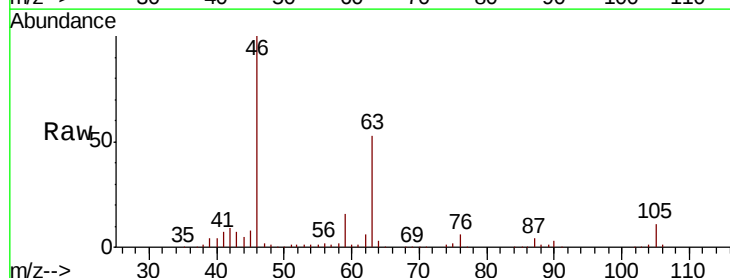
Ion Ratio Lower Upper

43 100

58 29.5 41.4 62.0#

57 22.4 15.0 22.4

100 0.0 9.0 13.4#

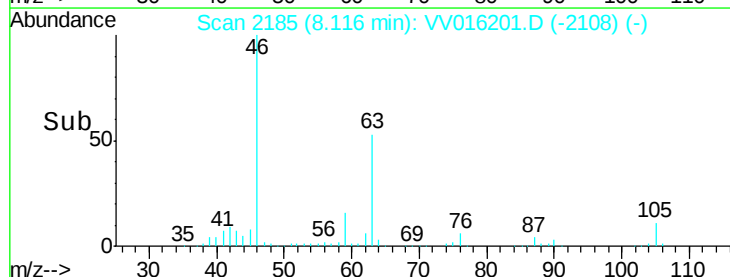
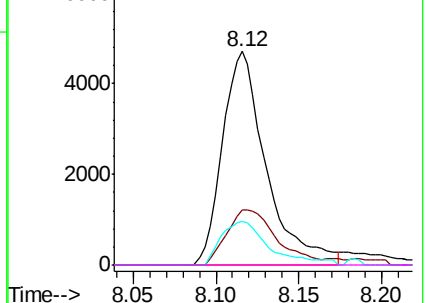


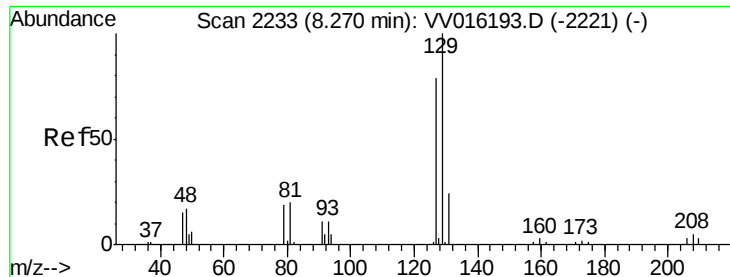
Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0





#51

Dibromochloromethane

Concen: 9.237 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.27 min

Lab File: VV016201.D

Acq: 26 May 2020 19:33

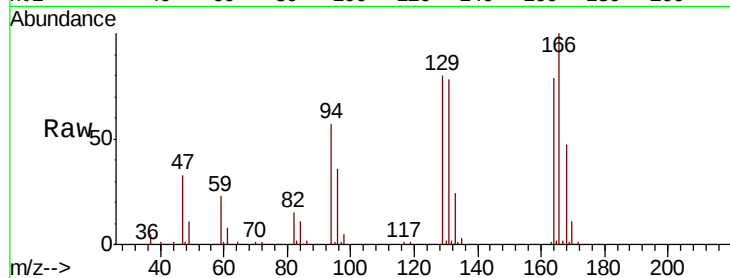
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:129 Resp: 46151

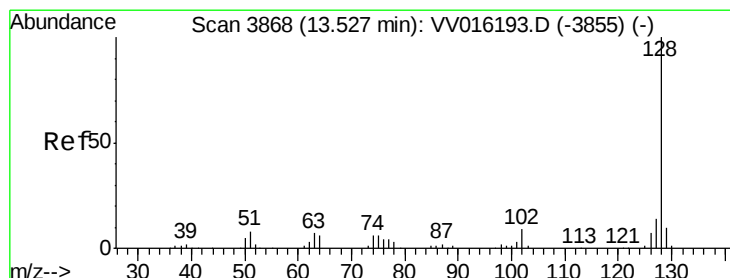
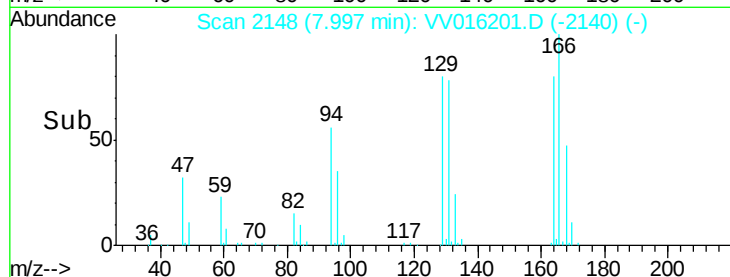
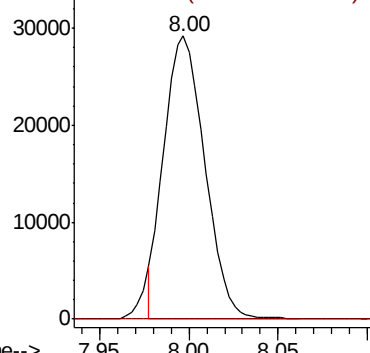
Ion Ratio Lower Upper

129 100

127 0.0 55.2 102.4#



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V



#70

Naphthalene

Concen: 22.490 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV016201.D

Acq: 26 May 2020 19:33

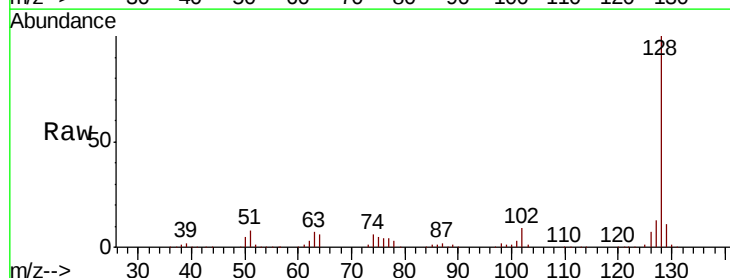
Tgt Ion:128 Resp: 436679

Ion Ratio Lower Upper

128 100

129 10.8 8.6 13.0

127 13.0 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

