

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052820\
 Data File : VV016292.D
 Acq On : 28 May 2020 22:16
 Operator : SY/MD
 Sample : L2754-15DL 4X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 29 04:23:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 29 04:21:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	98630	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	96773	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	42192	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	27692	4.37	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.40%
7) Chloroethane-d5	1.58	69	21965	3.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.00%
11) 1,1-Dichloroethene-d2	2.13	63	38746	3.26	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.20%
20) 2-Butanone-d5	3.95	46	71363	45.42	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.84%
24) Chloroform-d	4.38	84	49548	3.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.60%
26) 1,2-Dichloroethane-d4	5.06	65	28307	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.80%
32) Benzene-d6	5.08	84	101261	4.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.40%
36) 1,2-Dichloropropane-d6	6.10	67	30997	4.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.60%
41) Toluene-d8	7.34	98	90420	3.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.20%
45) trans-1,3-Dichloropropene-	7.65	79	10369	3.75	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.00%
48) 2-Hexanone-d5	8.12	63	52714	41.58	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	83.16%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	21709	3.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	79.20%
65) 1,2-Dichlorobenzene-d4	11.65	152	31940	4.53	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.60%

Target Compounds

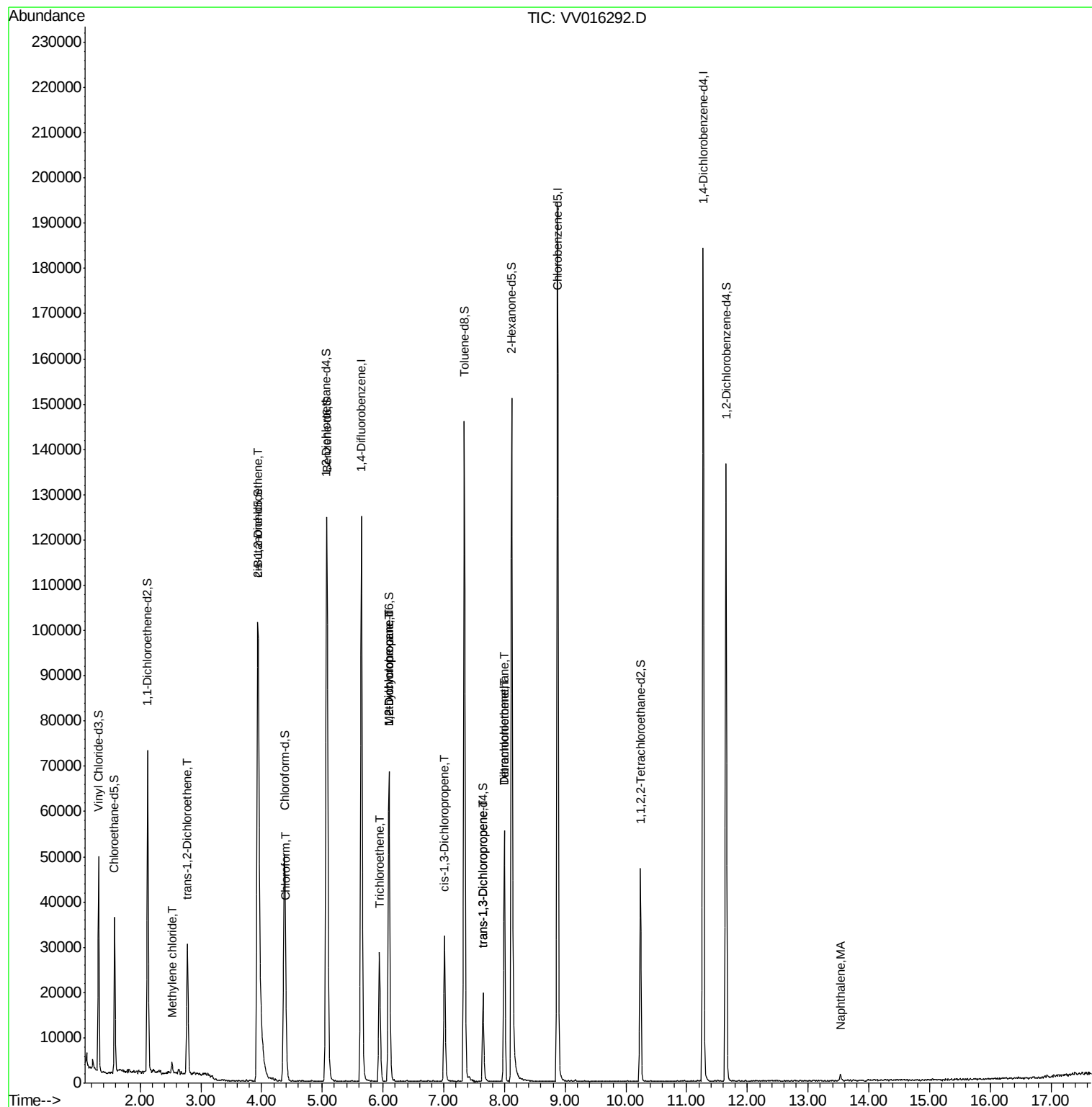
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
16) Methylene chloride	2.52	84	759	0.114	ug/L #	70
18) trans-1,2-Dichloroethene	2.78	96	9796	1.539	ug/L	90
22) cis-1,2-Dichloroethene	3.94	96	39895	5.299	ug/L	97
25) Chloroform	4.41	83	2956	0.231	ug/L	96
34) Trichloroethene	5.94	95	10101	1.392	ug/L	98
35) Methylcyclohexane	6.10	83	7600	0.621	ug/L #	16
37) 1,2-Dichloropropane	6.09	63	3671	0.537	ug/L #	88
39) cis-1,3-Dichloropropene	7.02	75	896	0.093	ug/L	89
46) trans-1,3-Dichloropropene	7.64	75	508	0.063	ug/L #	75
49) Tetrachloroethene	8.00	164	11068	2.125	ug/L	98
51) Dibromochloromethane	8.00	129	11070	2.327	ug/L #	10
70) Naphthalene	13.53	128	1711	0.098	ug/L #	86

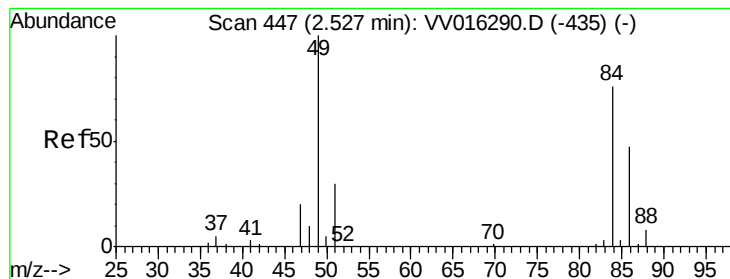
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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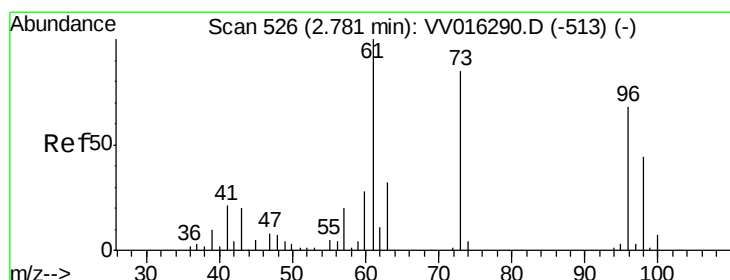
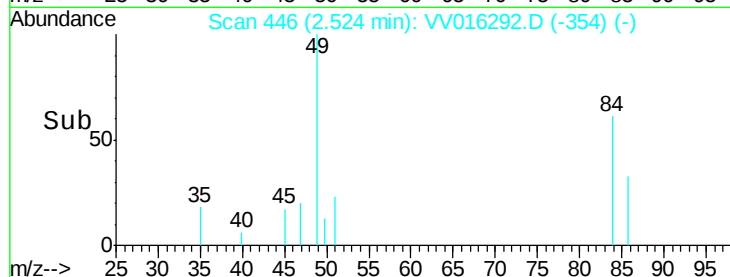
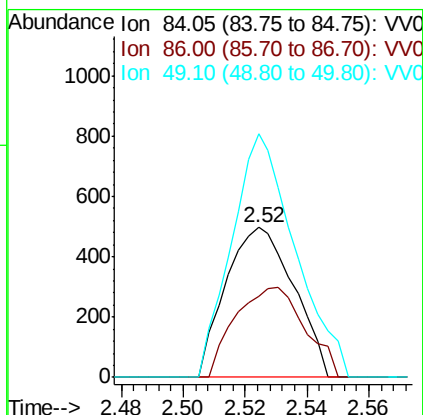
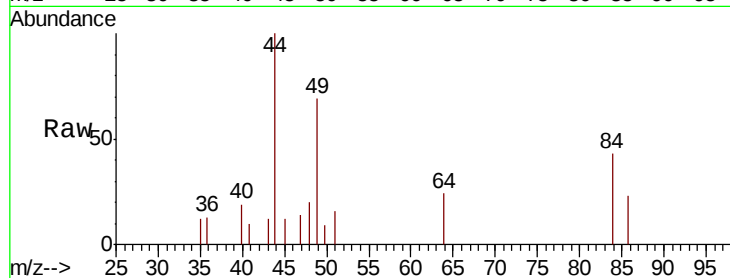




#16
Methvlene chloride
Concen: 0.114 ug/L
RT: 2.52 min Scan# 446
Delta R.T. -0.00 min
Lab File: VV016292.D
Acq: 28 May 2020 22:16

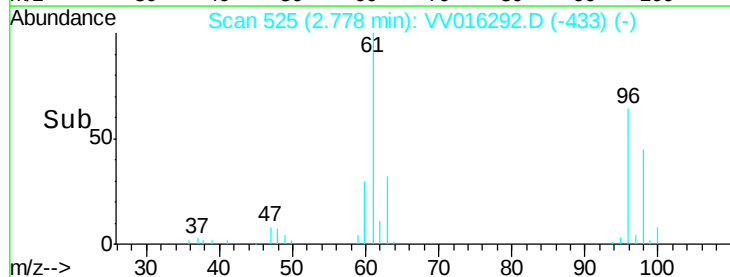
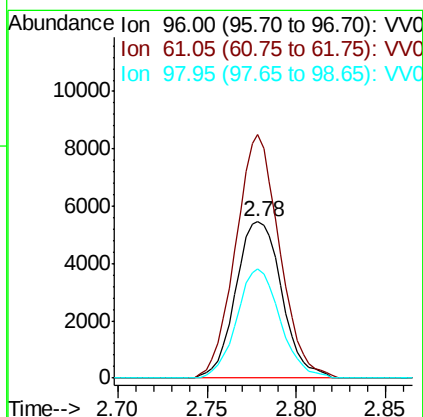
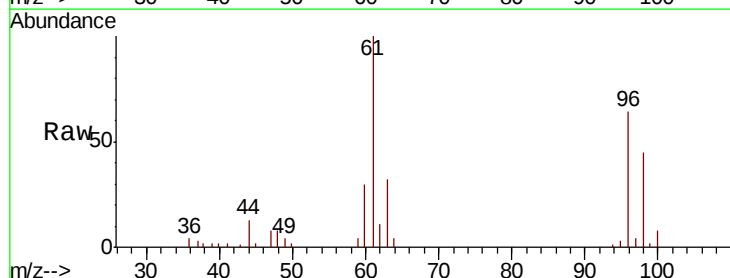
Instrument :
MSVOA_V
ClientSampleId :

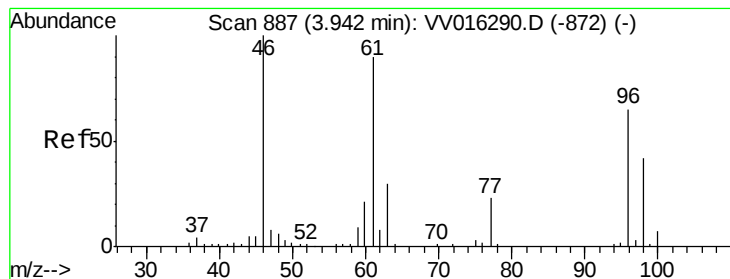
Tot Ion: 84 Resp: 759
Ion Ratio Lower Upper
84 100
86 54.2 44.9 83.5
49 184.3 96.7 179.7#



#18
trans-1,2-Dichloroethene
Concen: 1.539 ug/L
RT: 2.78 min Scan# 525
Delta R.T. -0.00 min
Lab File: VV016292.D
Acq: 28 May 2020 22:16

Tgt Ion: 96 Resp: 9796
Ion Ratio Lower Upper
96 100
61 155.7 99.8 185.4
98 69.6 44.0 81.6





#22

cis-1,2-Dichloroethene

Concen: 5.299 ug/L

RT: 3.94 min Scan# 886

Delta R.T. -0.00 min

Lab File: VV016292.D

Acq: 28 May 2020 22:16

Instrument :
MSVOA_V
ClientSampled :

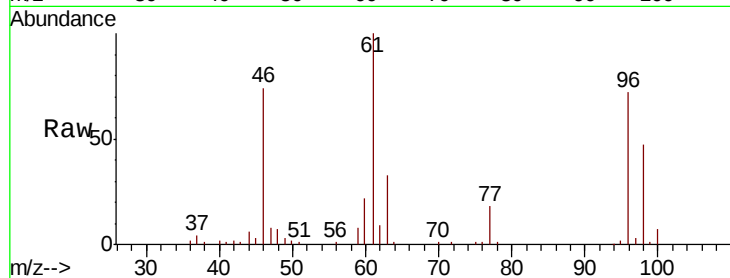
Tot Ion: 96 Resp: 39895

Ion Ratio Lower Upper

96 100

61 138.2 99.7 185.1

68 0.0 0.0 0.0

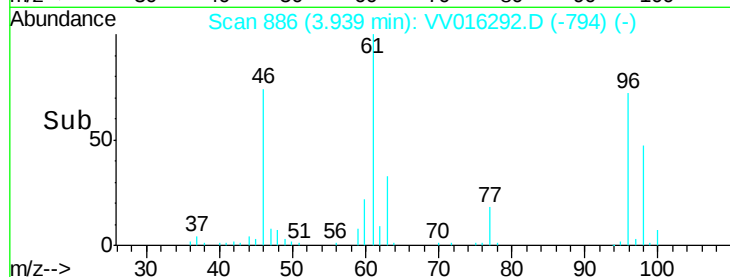


Abundance Ion 96.00 (95.70 to 96.70): VV016292.D (-872) (-)

Ion 61.05 (60.75 to 61.75): VV016292.D (-872) (-)

Ion 68.15 (67.85 to 68.85): VV016292.D (-872) (-)

Time-->

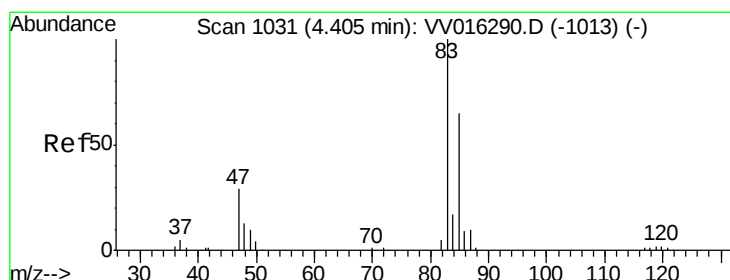


Abundance Ion 96.00 (95.70 to 96.70): VV016292.D (-872) (-)

Ion 61.05 (60.75 to 61.75): VV016292.D (-872) (-)

Ion 68.15 (67.85 to 68.85): VV016292.D (-872) (-)

Time-->



#25

Chloroform

Concen: 0.231 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VV016292.D

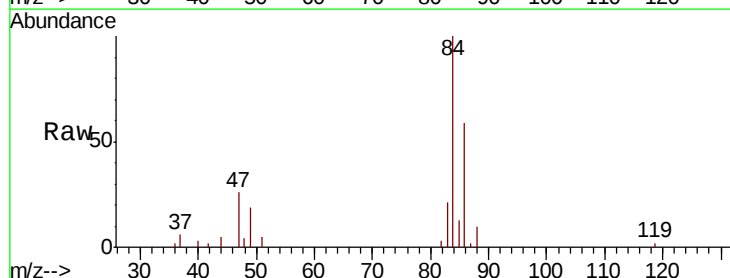
Acq: 28 May 2020 22:16

Tgt Ion: 83 Resp: 2956

Ion Ratio Lower Upper

83 100

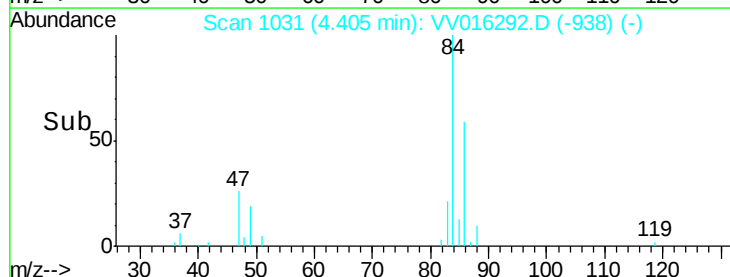
85 61.5 45.1 83.7



Abundance Ion 83.05 (82.75 to 83.75): VV016292.D (-938) (-)

Ion 85.00 (84.70 to 85.70): VV016292.D (-938) (-)

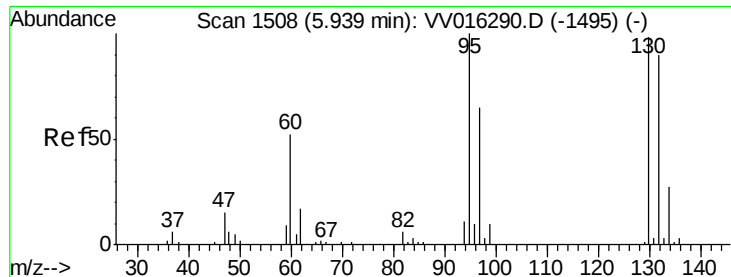
Time-->



Abundance Ion 83.05 (82.75 to 83.75): VV016292.D (-938) (-)

Ion 85.00 (84.70 to 85.70): VV016292.D (-938) (-)

Time-->



#34

Trichloroethene

Concen: 1.392 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV016292.D

Acq: 28 May 2020 22:16

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 10101

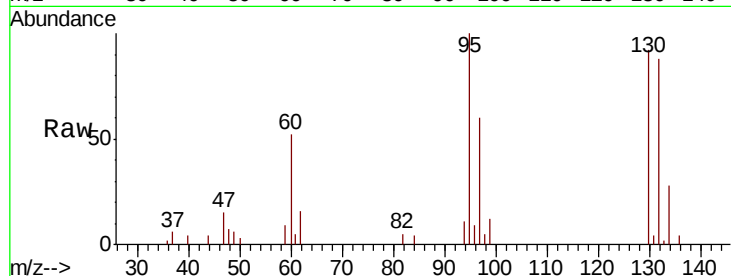
Ion Ratio Lower Upper

95 100

97 60.5 43.6 81.0

132 88.5 63.9 118.7

130 92.0 65.2 121.0

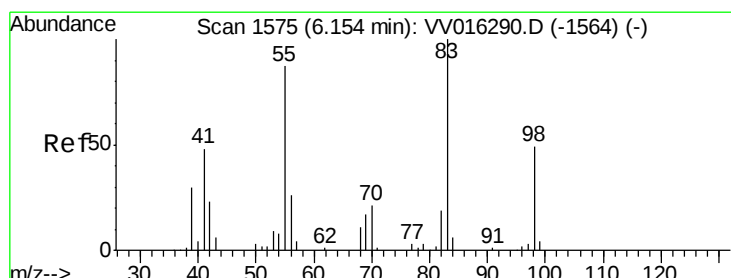
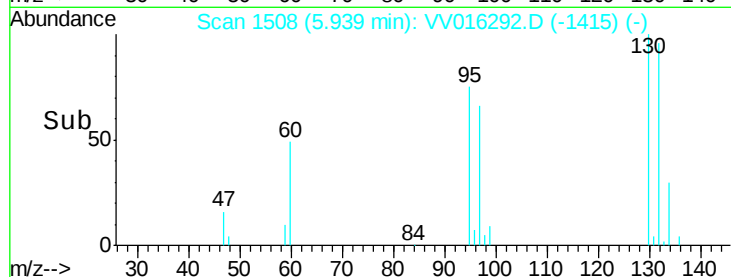
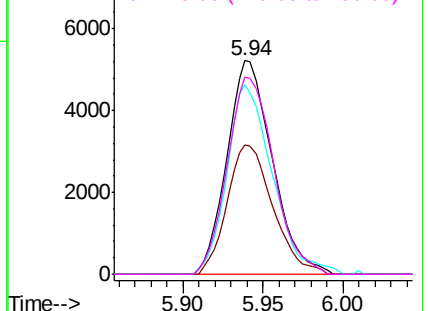


Abundance Ion 95.00 (94.70 to 95.70): VV016292.D (-1495) (-)

Ion 96.95 (96.65 to 97.65): VV016292.D (-1495) (-)

Ion 131.95 (131.65 to 132.65): VV016292.D (-1495) (-)

Ion 129.95 (129.65 to 130.65): VV016292.D (-1495) (-)



#35

Methylcyclohexane

Concen: 0.621 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.06 min

Lab File: VV016292.D

Acq: 28 May 2020 22:16

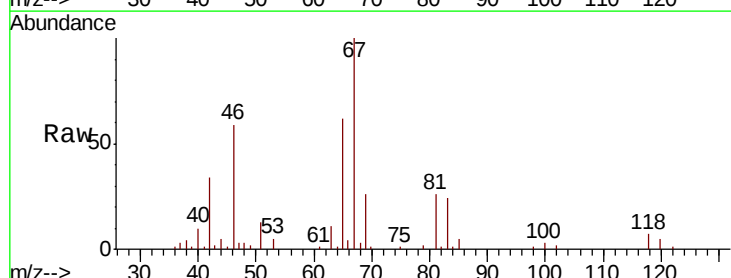
Tgt Ion: 83 Resp: 7600

Ion Ratio Lower Upper

83 100

55 0.0 65.4 98.0#

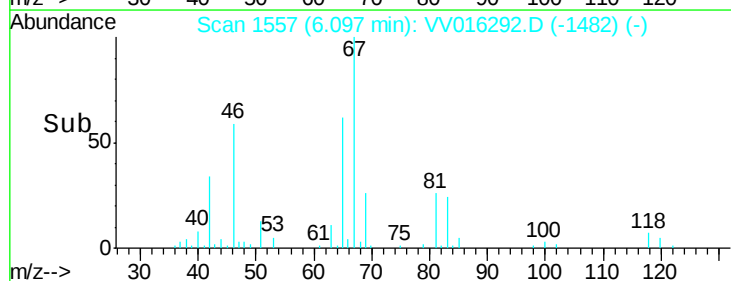
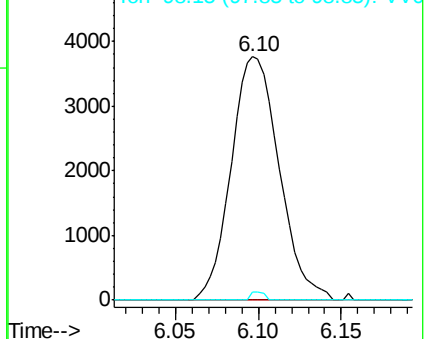
98 0.9 39.3 58.9#

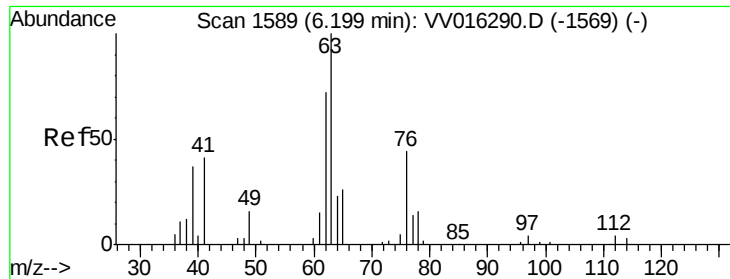


Abundance Ion 83.15 (82.85 to 83.85): VV016292.D (-1482) (-)

Ion 55.10 (54.80 to 55.80): VV016292.D (-1482) (-)

Ion 98.15 (97.85 to 98.85): VV016292.D (-1482) (-)





#37

1,2-Dichloropropane

Concen: 0.537 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.11 min

Lab File: VV016292.D

Acq: 28 May 2020 22:16

Instrument :

MSVOA_V

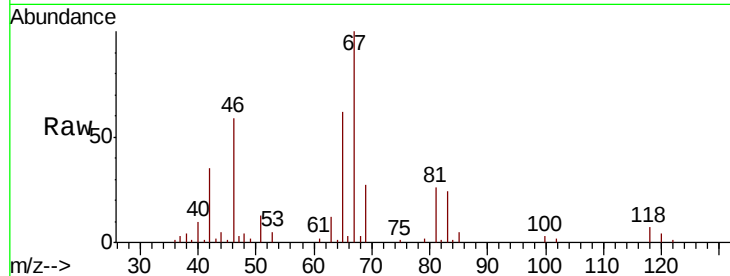
ClientSampleId :

Tot Ion: 63 Resp: 3671

Ion Ratio Lower Upper

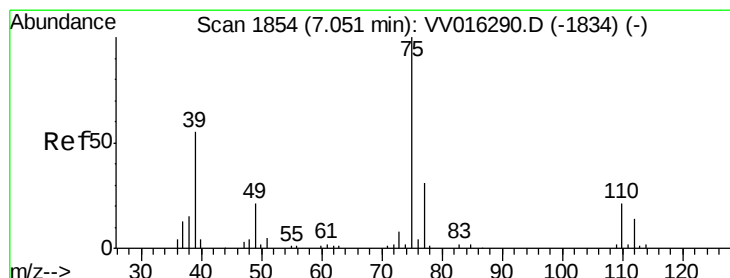
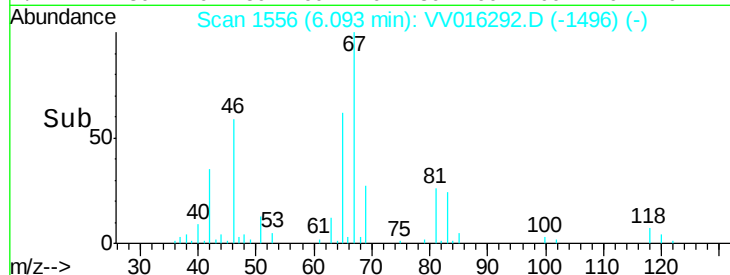
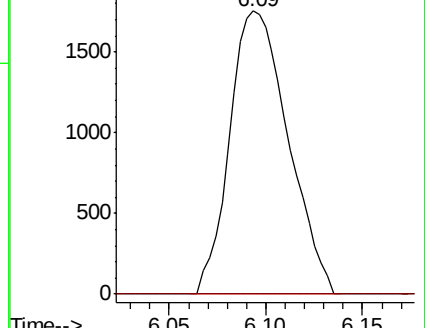
63 100

112 0.0 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VV016292.D (-1569) (-)

Ion 112.10 (111.80 to 112.80): VV016292.D (-1569) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.093 ug/L

RT: 7.02 min Scan# 1843

Delta R.T. -0.04 min

Lab File: VV016292.D

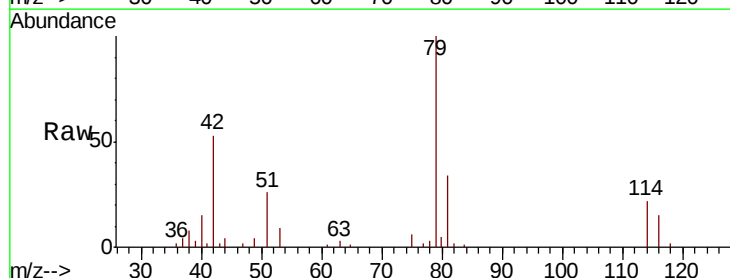
Acq: 28 May 2020 22:16

Tgt Ion: 75 Resp: 896

Ion Ratio Lower Upper

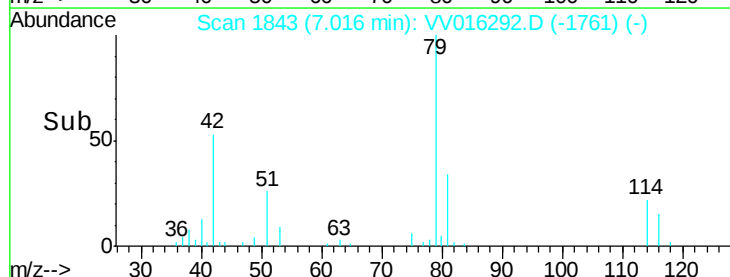
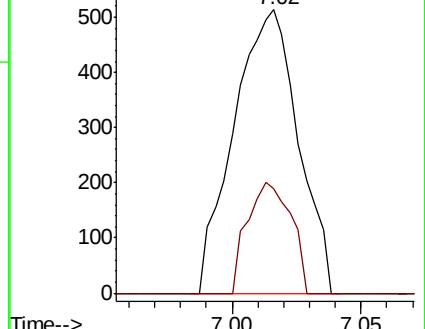
75 100

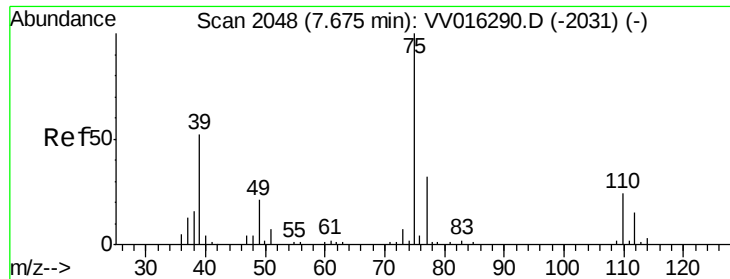
77 37.0 21.7 40.3



Abundance Ion 75.05 (74.75 to 75.75): VV016292.D (-1761) (-)

Ion 77.05 (76.75 to 77.75): VV016292.D (-1761) (-)

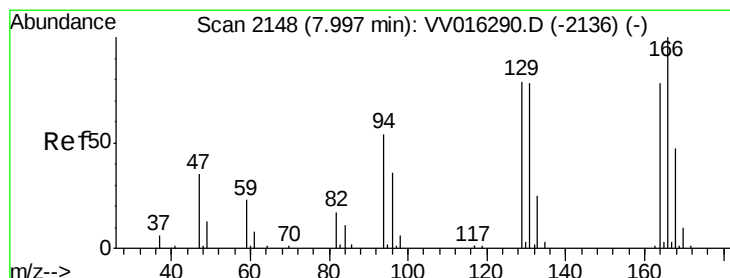
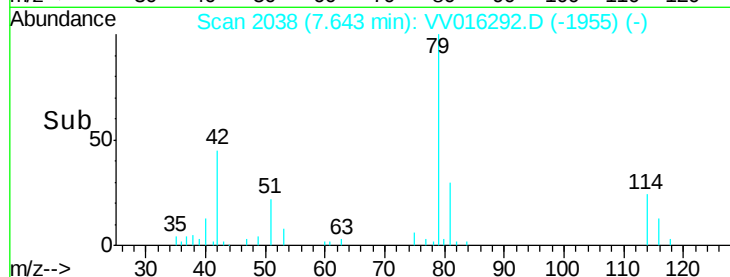
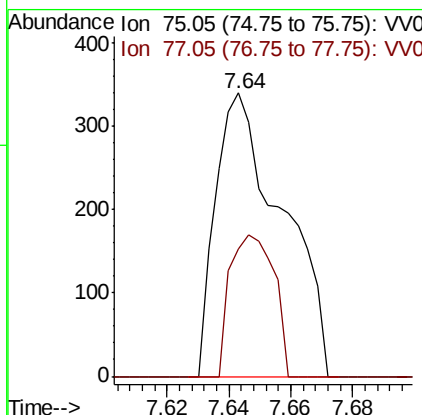
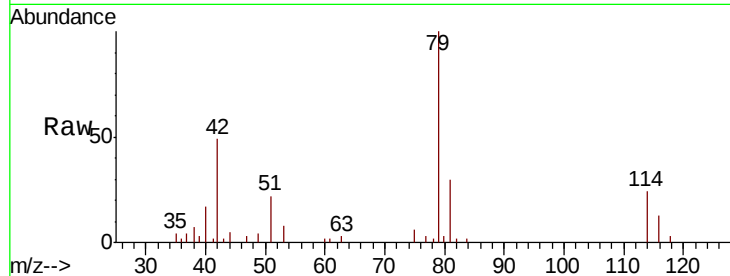




#46
trans-1,3-Dichloropropene
Concen: 0.063 ug/L
RT: 7.64 min Scan# 2038
Delta R.T. -0.03 min
Lab File: VV016292.D
Acq: 28 May 2020 22:16

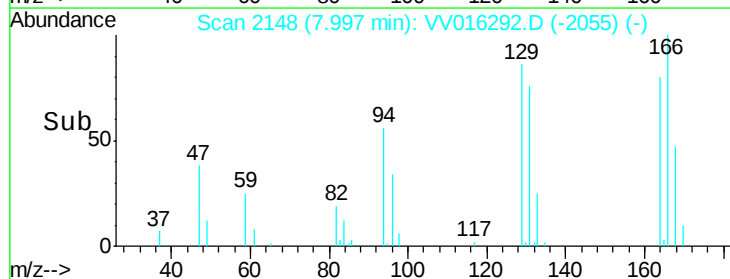
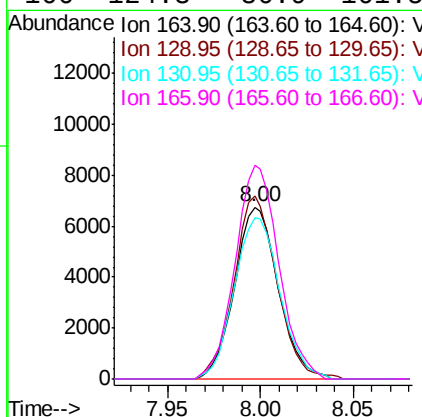
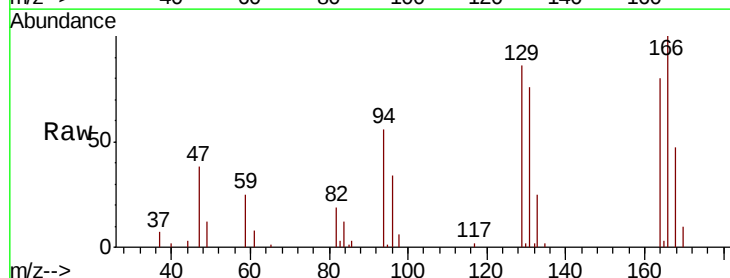
Instrument :
MSVOA_V
ClientSampleId :

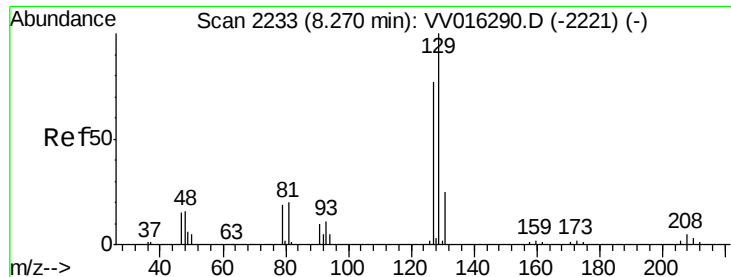
Tot Ion: 75 Resp: 508
Ion Ratio Lower Upper
75 100
77 44.8 21.7 40.3#



#49
Tetrachloroethene
Concen: 2.125 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV016292.D
Acq: 28 May 2020 22:16

Tgt Ion:164 Resp: 11068
Ion Ratio Lower Upper
164 100
129 106.9 70.7 131.3
131 94.0 66.6 123.8
166 124.3 86.9 161.5





#51

Dibromochloromethane

Concen: 2.327 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.27 min

Lab File: VV016292.D

Acq: 28 May 2020 22:16

Instrument :

MSVOA_V

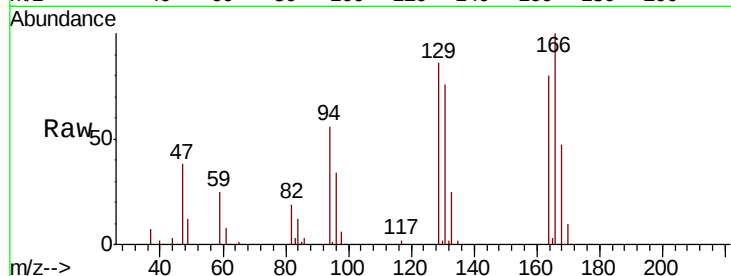
ClientSampleId :

Tot Ion:129 Resp: 11070

Ion Ratio Lower Upper

129 100

127 0.0 55.2 102.4#

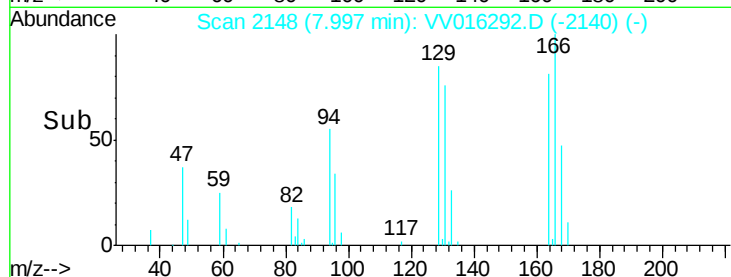


Abundance Ion 128.95 (128.65 to 129.65): V

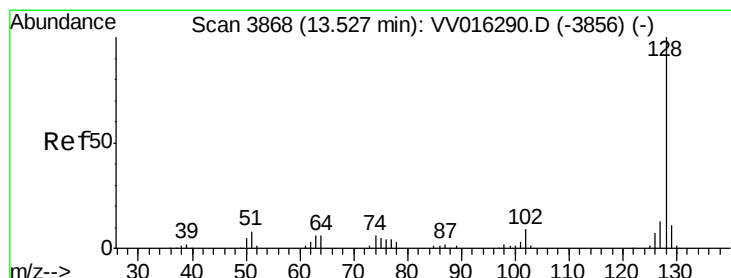
Ion 126.90 (126.60 to 127.60): V

8.00

Time-->



Time-->



#70

Naphthalene

Concen: 0.098 ug/L

RT: 13.53 min Scan# 3869

Delta R.T. 0.00 min

Lab File: VV016292.D

Acq: 28 May 2020 22:16

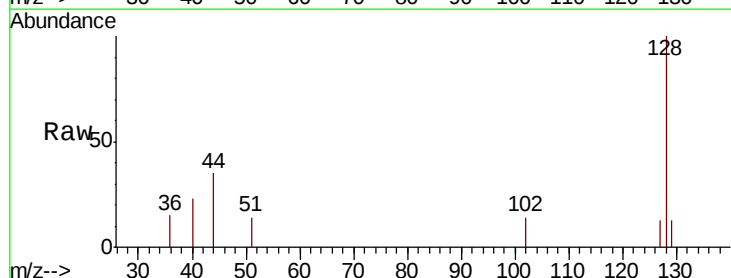
Tgt Ion:128 Resp: 1711

Ion Ratio Lower Upper

128 100

129 6.5 8.6 13.0#

127 6.8 10.6 15.8#



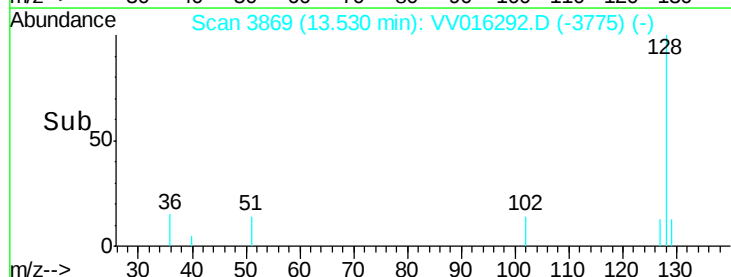
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

13.53

Time-->



Time-->