

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV053020\
 Data File : VV016371.D
 Acq On : 30 May 2020 19:49
 Operator : SY/MD
 Sample : L2826-06DL 4X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 01 05:14:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR053020WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Jun 01 05:08:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	77642	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	71260	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	31378	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	32863	4.83	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	96.60%
7) Chloroethane-d5	1.58	69	23756	4.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.00%
11) 1,1-Dichloroethene-d2	2.12	63	43341	3.65	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.00%
20) 2-Butanone-d5	3.96	46	79281	54.06	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.12%
24) Chloroform-d	4.38	84	52480	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.20%
26) 1,2-Dichloroethane-d4	5.06	65	28962	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.80%
32) Benzene-d6	5.07	84	105145	5.19	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.80%
36) 1,2-Dichloropropane-d6	6.10	67	30743	4.92	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.40%
41) Toluene-d8	7.34	98	92576	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.00%
45) trans-1,3-Dichloropropene-	7.64	79	11082	4.91	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	98.20%
48) 2-Hexanone-d5	8.12	63	60424	57.59	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	115.18%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	22449	5.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.60%
65) 1,2-Dichlorobenzene-d4	11.65	152	28520	4.90	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.00%

Target Compounds

					Ovalue
3) Chloromethane	1.25	50	2169	0.280	ug/L 99
5) Vinyl chloride	1.32	62	3138	0.453	ug/L # 1
8) Chloroethane	1.42	64	475868	114.035	ug/L # 50
12) 1,1-Dichloroethene	2.13	96	404	0.081	ug/L # 1
13) Acetone	2.23	43	2487	2.521	ug/L 74
14) Carbon disulfide	2.37	76	2826	0.186	ug/L 99
15) Methyl Acetate	2.46	43	4239	1.712	ug/L # 90
16) Methylene chloride	2.52	84	1130	0.211	ug/L 91
18) trans-1,2-Dichloroethene	2.78	96	5957	1.123	ug/L 96
22) cis-1,2-Dichloroethene	3.94	96	12296	2.100	ug/L 92
25) Chloroform	4.41	83	2544	0.243	ug/L 98
27) 1,2-Dichloroethane	5.08	62	469	0.068	ug/L # 76
34) Trichloroethene	5.94	95	2191	0.396	ug/L 94
35) Methylcyclohexane	6.10	83	7629	0.856	ug/L # 15
37) 1,2-Dichloropropane	6.10	63	3683	0.690	ug/L # 87
39) cis-1,3-Dichloropropene	7.01	75	949	0.135	ug/L # 75
46) trans-1,3-Dichloropropene	7.64	75	480	0.082	ug/L # 72

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QLast Update : Mon Jun 01 05:08:08 2020
Response via : Initial Calibration

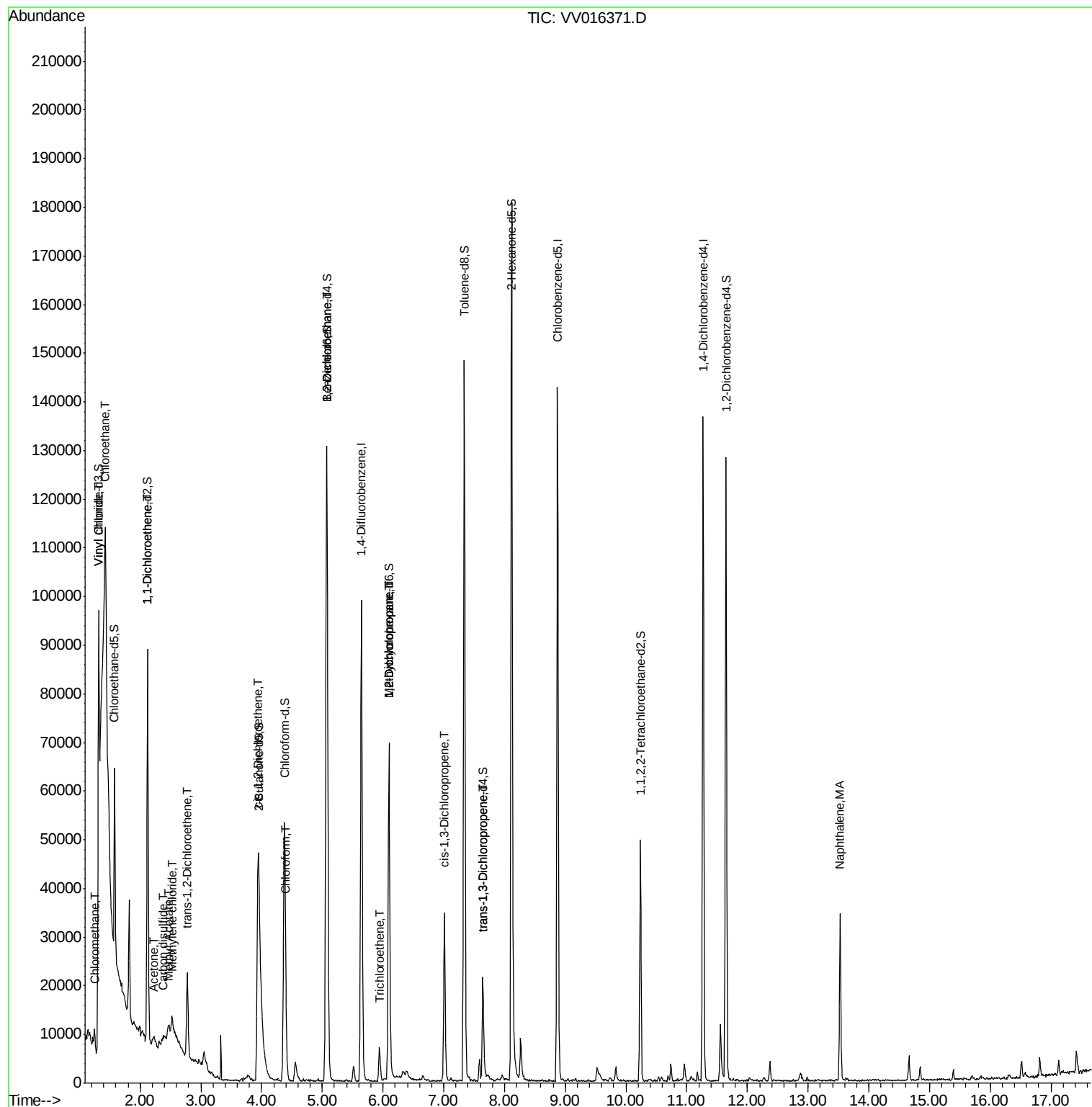
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) Naphthalene	13.53	128	25954	1.814	ug/L	98

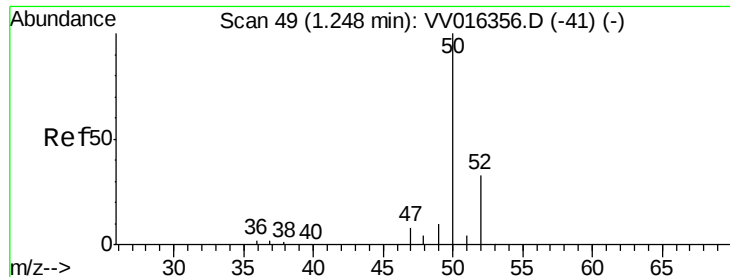
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.280 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV016371.D

Acq: 30 May 2020 19:49

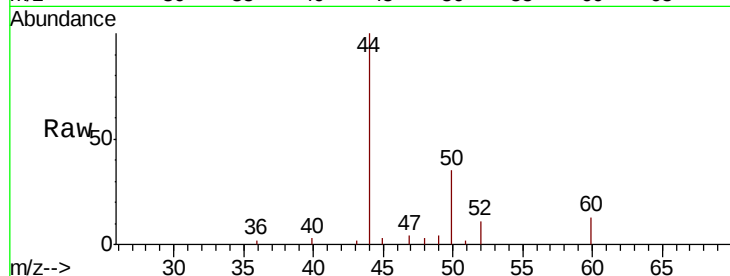
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 50 Resp: 2169

Ion Ratio Lower Upper

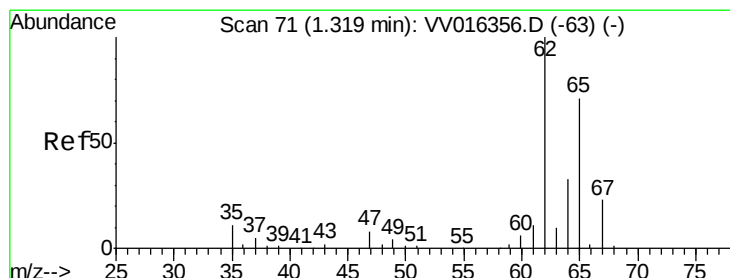
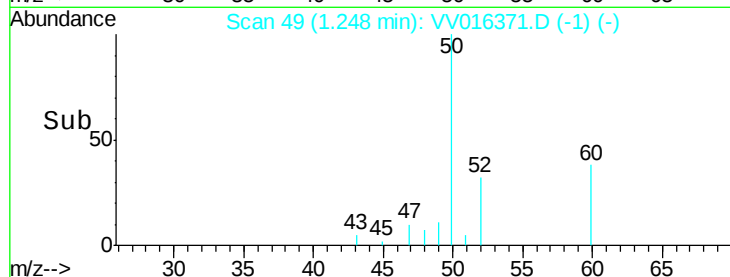
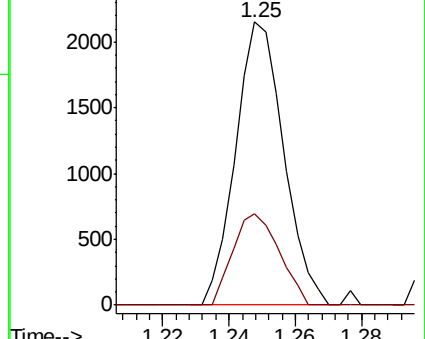
50 100

52 32.5 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



#5

Vinyl chloride

Concen: 0.453 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV016371.D

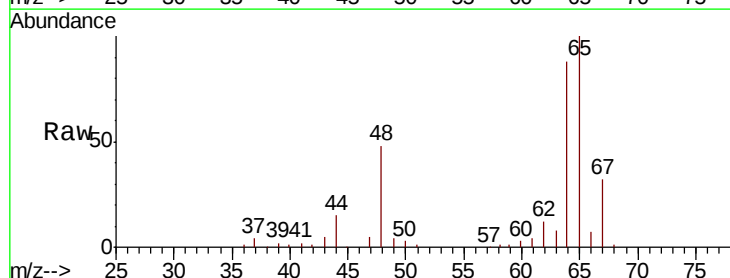
Acq: 30 May 2020 19:49

Tgt Ion: 62 Resp: 3138

Ion Ratio Lower Upper

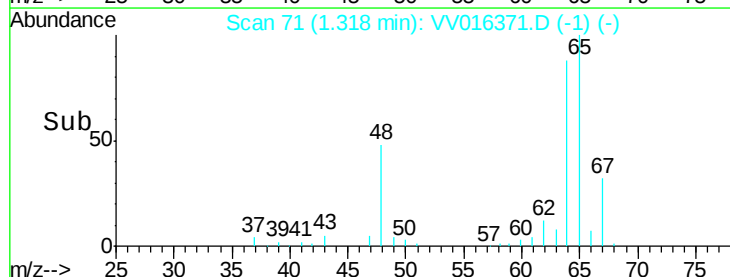
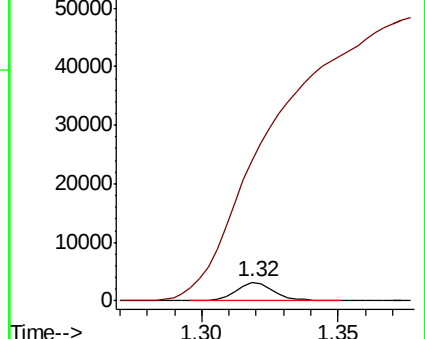
62 100

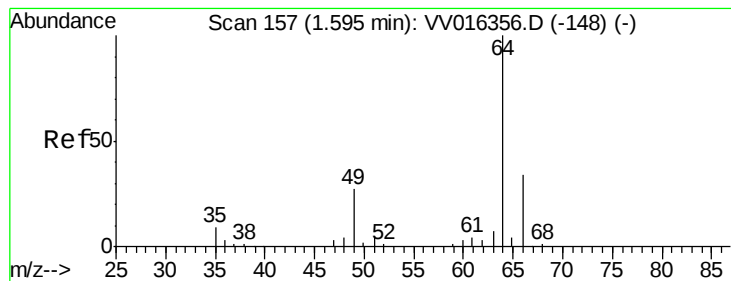
64 756.2 23.1 42.9#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0





#8

Chloroethane

Concen: 114.035 ug/L

RT: 1.42 min Scan# 104

Delta R.T. -0.17 min

Lab File: VV016371.D

Acq: 30 May 2020 19:49

Instrument :

MSVOA_V

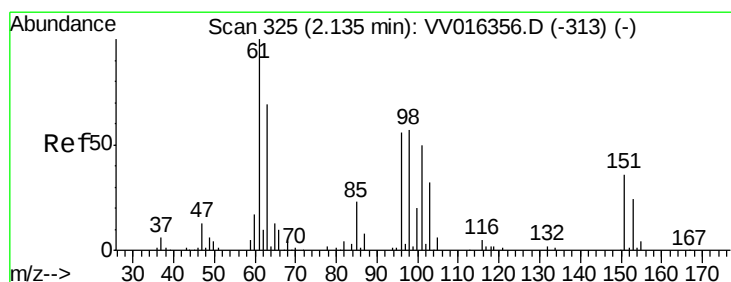
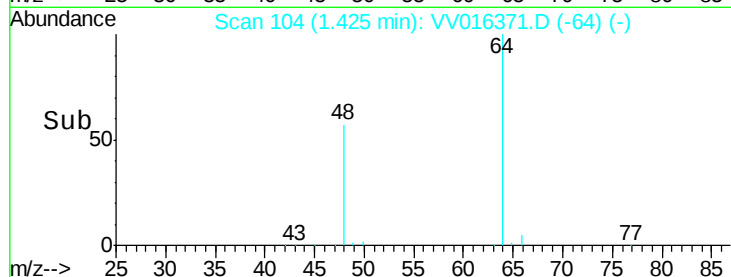
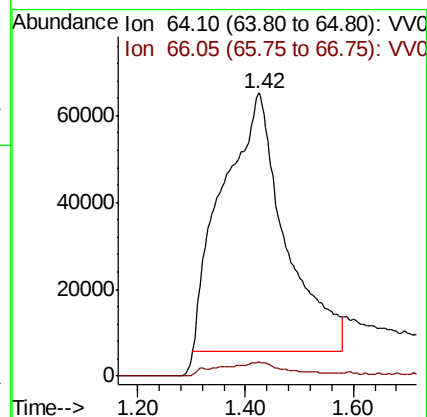
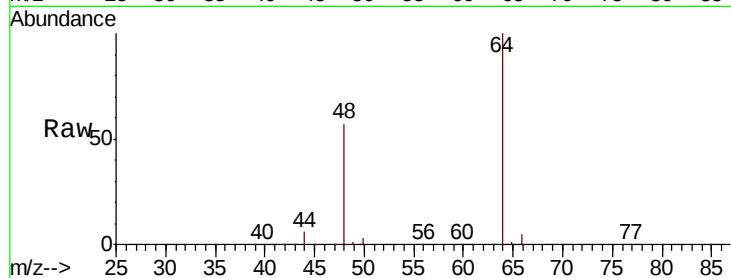
ClientSampleId :

Tot Ion: 64 Resp: 475868

Ion Ratio Lower Upper

64 100

66 5.0 23.4 43.6#



#12

1,1-Dichloroethene

Concen: 0.081 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV016371.D

Acq: 30 May 2020 19:49

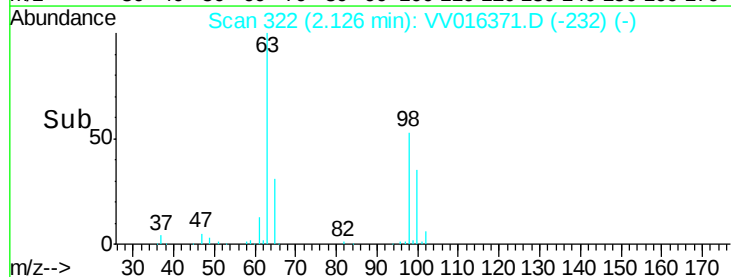
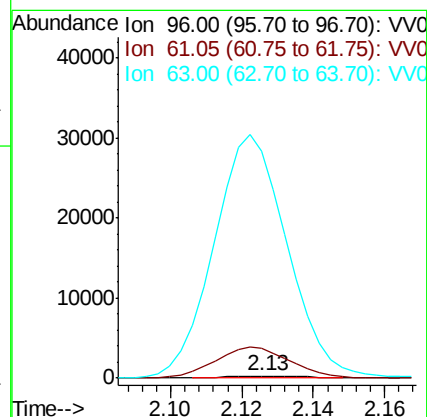
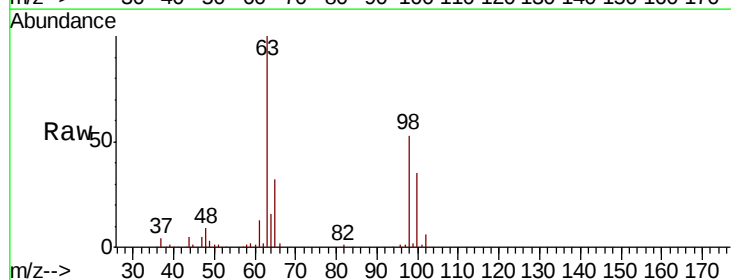
Tgt Ion: 96 Resp: 404

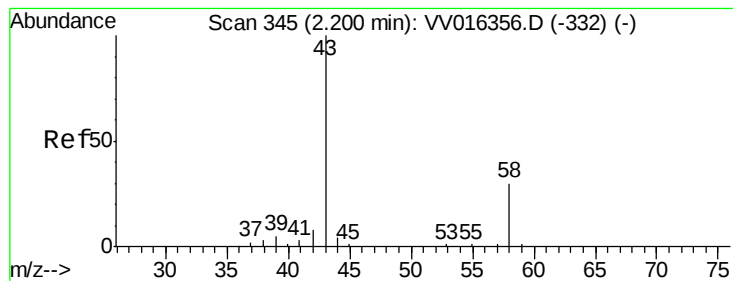
Ion Ratio Lower Upper

96 100

61 1378.8 125.4 233.0#

63 10332.8 88.2 163.8#





#13

Acetone

Concen: 2.521 ug/L

RT: 2.23 min Scan# 355

Delta R.T. 0.03 min

Lab File: VV016371.D

Acq: 30 May 2020 19:49

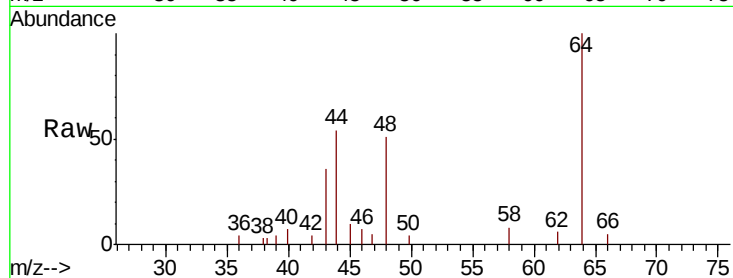
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 2487

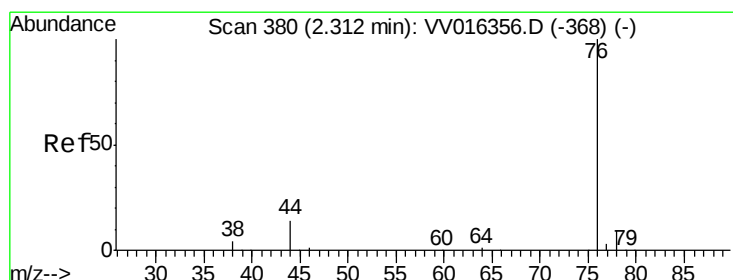
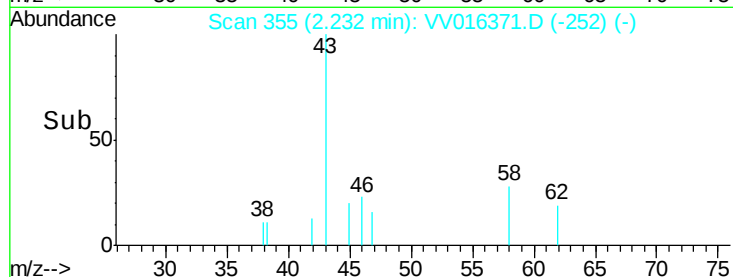
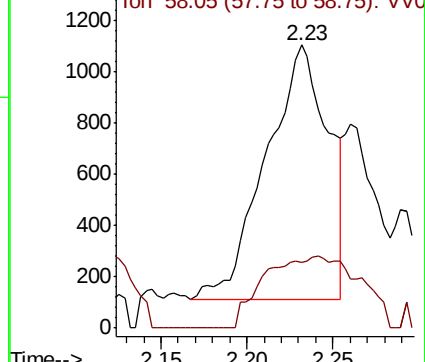
Ion Ratio Lower Upper

43 100

58 43.8 0.0 59.2



Abundance Ion 43.05 (42.75 to 43.75): VV0



#14

Carbon disulfide

Concen: 0.186 ug/L

RT: 2.37 min Scan# 399

Delta R.T. 0.06 min

Lab File: VV016371.D

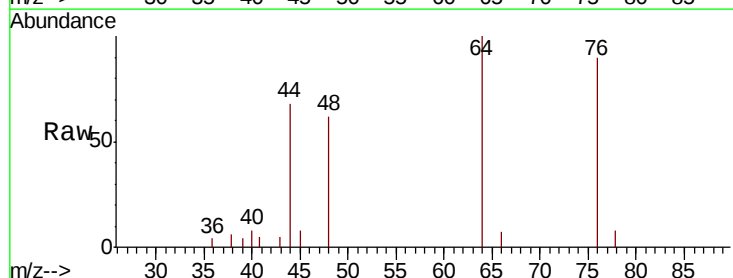
Acq: 30 May 2020 19:49

Tgt Ion: 76 Resp: 2826

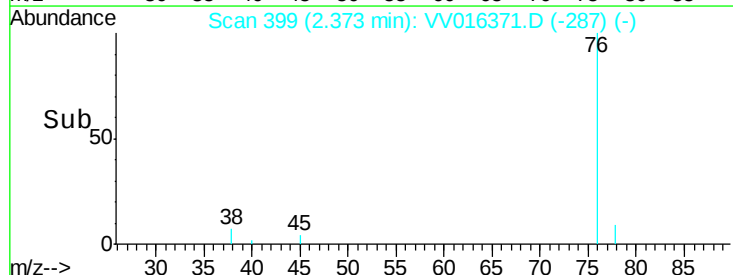
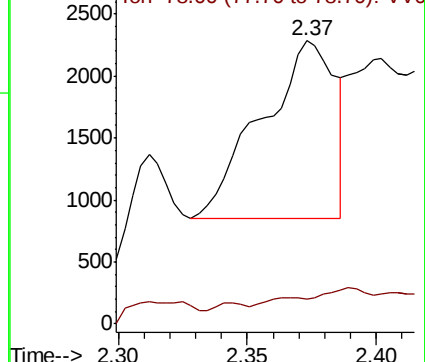
Ion Ratio Lower Upper

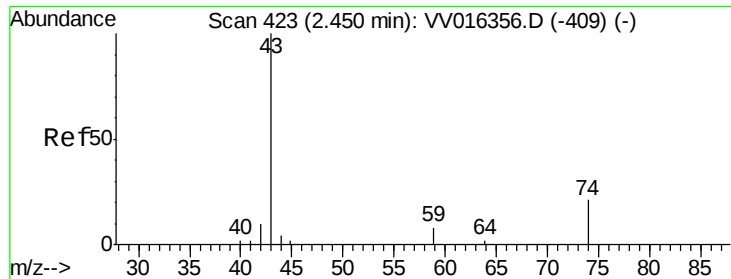
76 100

78 8.8 6.8 10.2



Abundance Ion 76.05 (75.75 to 76.75): VV0





#15

Methyl Acetate

Concen: 1.712 ug/L

RT: 2.46 min Scan# 426

Delta R.T. 0.01 min

Lab File: VV016371.D

Acq: 30 May 2020 19:49

Instrument :

MSVOA_V

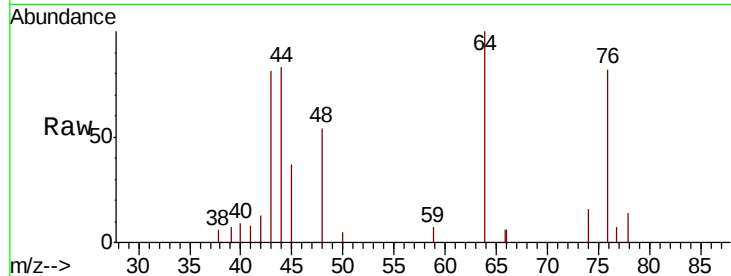
ClientSampleId :

Tot Ion: 43 Resp: 4239

Ion Ratio Lower Upper

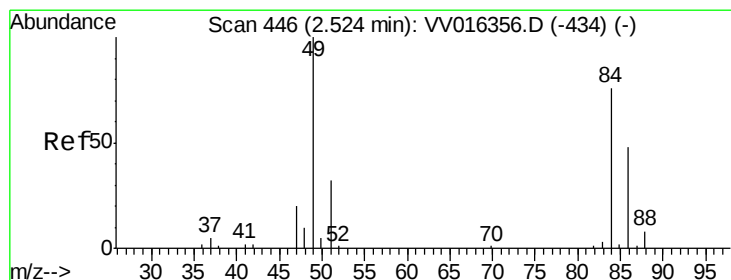
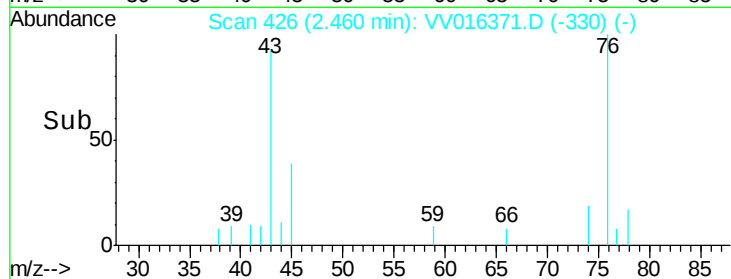
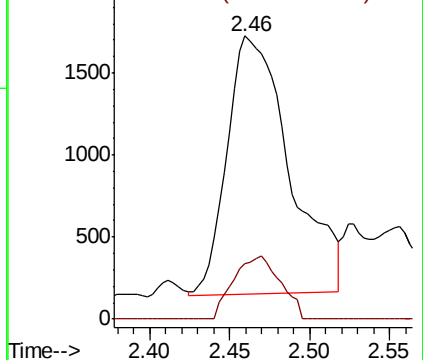
43 100

74 18.2 18.6 28.0#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 0.211 ug/L

RT: 2.52 min Scan# 446

Delta R.T. -0.00 min

Lab File: VV016371.D

Acq: 30 May 2020 19:49

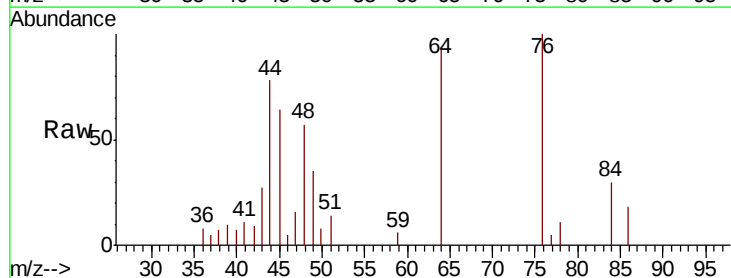
Tgt Ion: 84 Resp: 1130

Ion Ratio Lower Upper

84 100

86 61.2 44.5 82.7

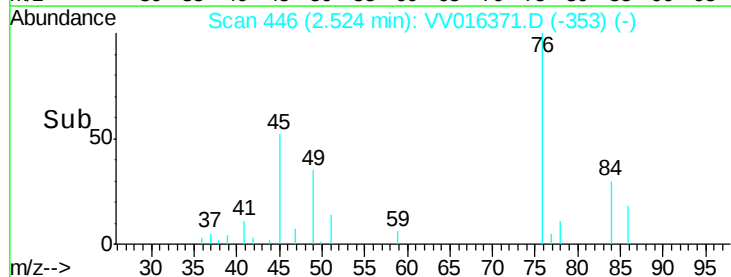
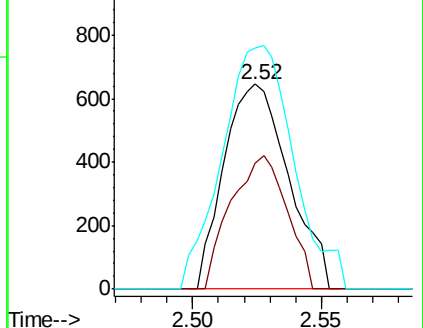
49 118.0 92.3 171.3

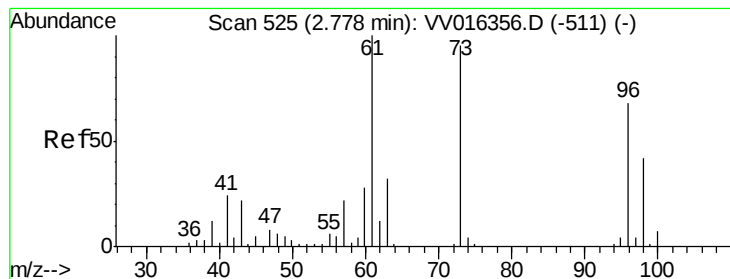


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0





#18

trans-1,2-Dichloroethene

Concen: 1.123 ug/L

RT: 2.78 min Scan# 524

Delta R.T. -0.00 min

Lab File: VV016371.D

Acq: 30 May 2020 19:49

Instrument :
MSVOA_V
ClientSampleId :

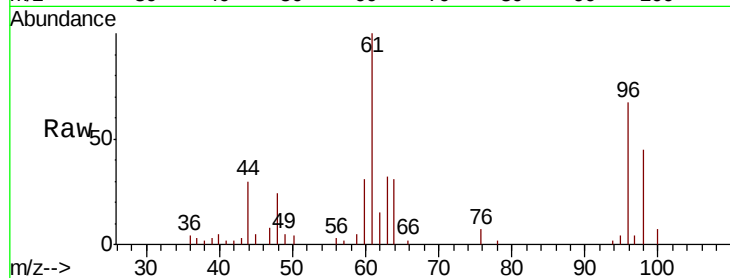
Tot Ion: 96 Resp: 5957

Ion Ratio Lower Upper

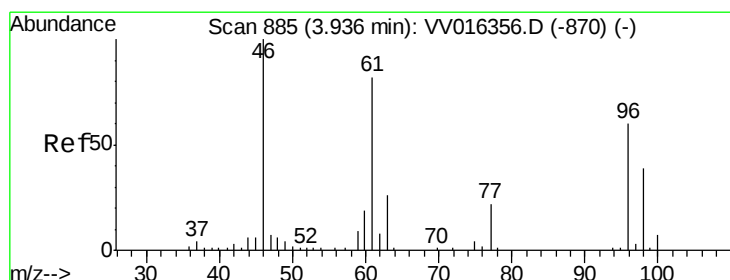
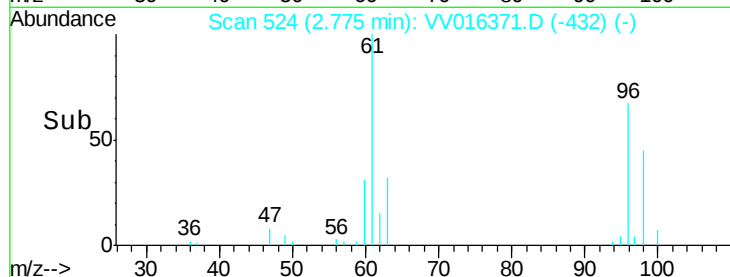
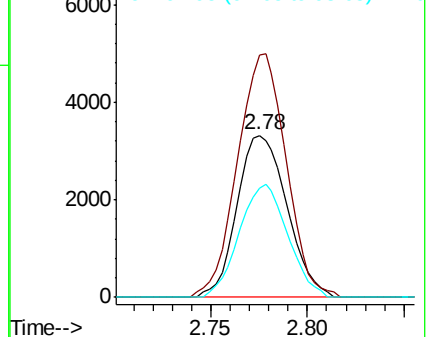
96 100

61 149.5 103.1 191.5

98 67.4 43.0 79.8



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0



#22

cis-1,2-Dichloroethene

Concen: 2.100 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV016371.D

Acq: 30 May 2020 19:49

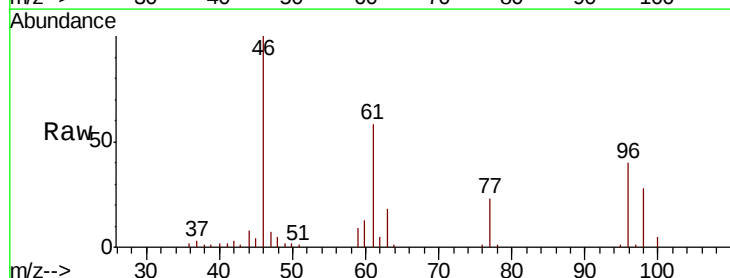
Tgt Ion: 96 Resp: 12296

Ion Ratio Lower Upper

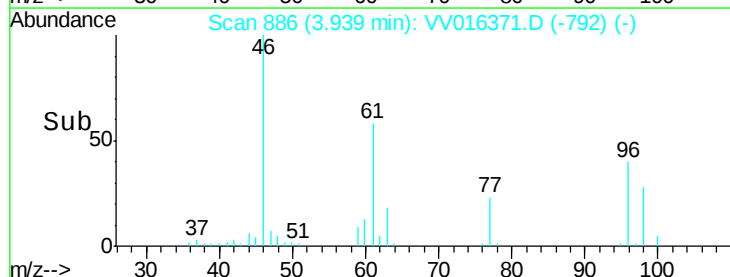
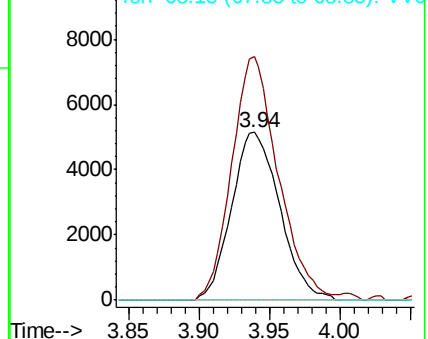
96 100

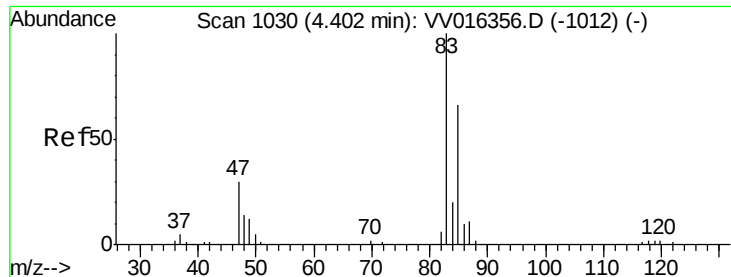
61 145.3 94.8 176.0

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

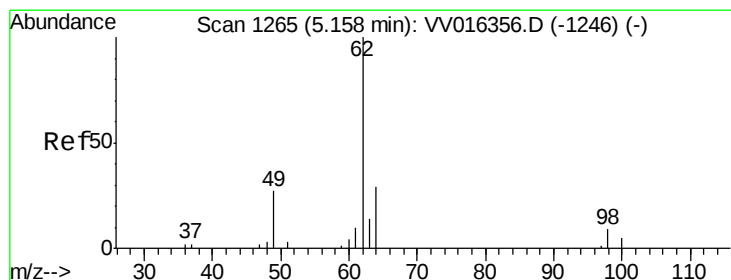
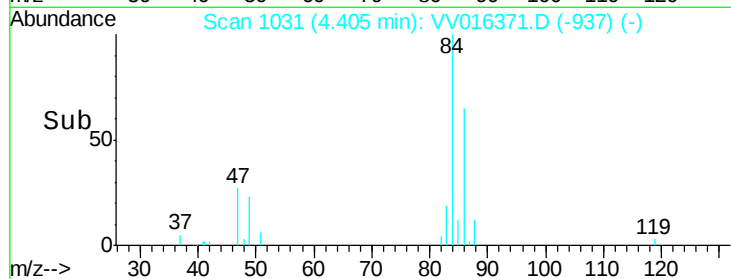
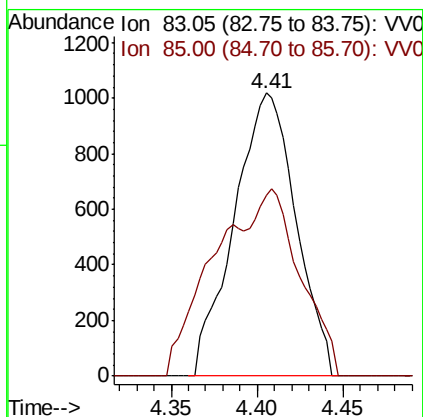
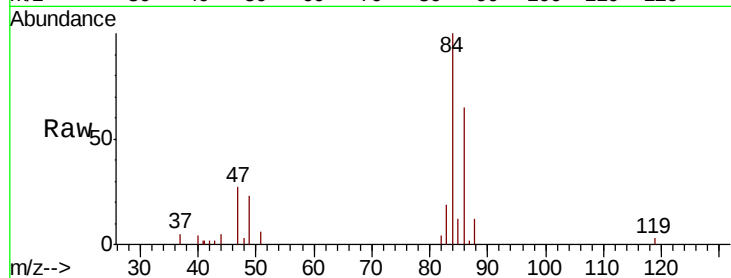




#25
Chloroform
Concen: 0.243 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV016371.D
Acq: 30 May 2020 19:49

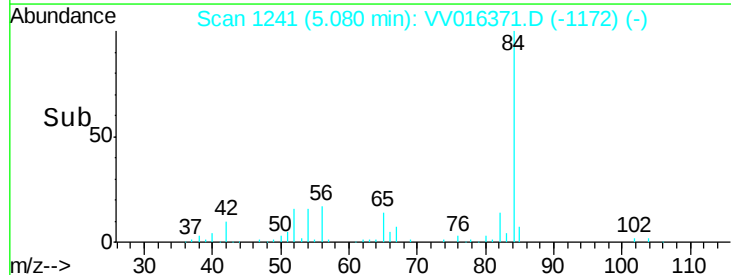
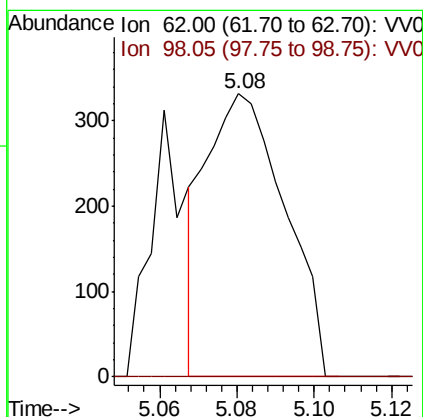
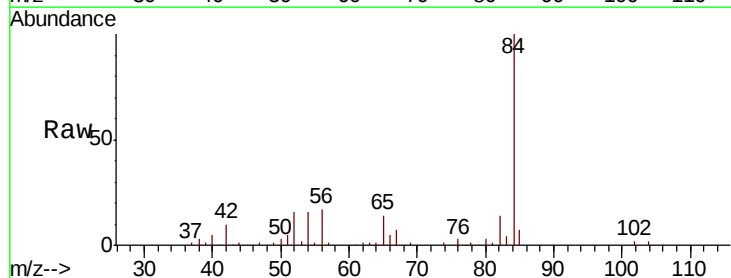
Instrument :
MSVOA_V
ClientSampleId :

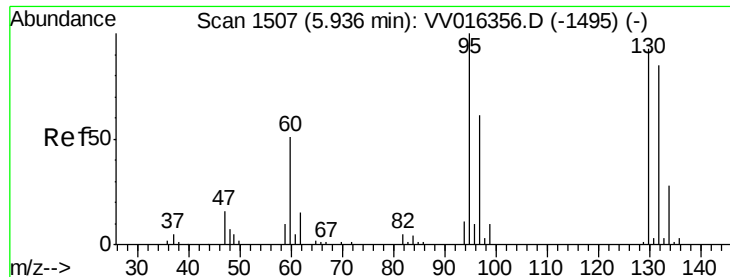
Tot Ion: 83 Resp: 2544
Ion Ratio Lower Upper
83 100
85 63.9 45.8 85.2



#27
1,2-Dichloroethane
Concen: 0.068 ug/L
RT: 5.08 min Scan# 1241
Delta R.T. -0.08 min
Lab File: VV016371.D
Acq: 30 May 2020 19:49

Tgt Ion: 62 Resp: 469
Ion Ratio Lower Upper
62 100
98 0.0 7.0 10.4#





#34

Trichloroethene

Concen: 0.396 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VV016371.D

Acq: 30 May 2020 19:49

Instrument :

MSVOA_V

ClientSampled :

Tot Ion: 95 Resp: 2191

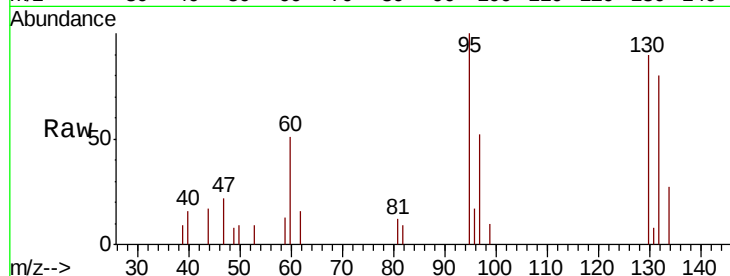
Ion Ratio Lower Upper

95 100

97 52.4 42.6 79.0

132 80.1 59.6 110.8

130 90.2 64.8 120.4

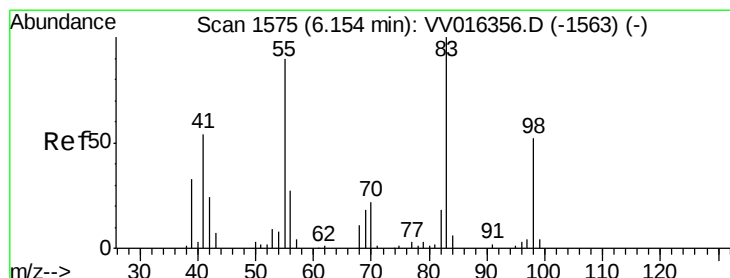
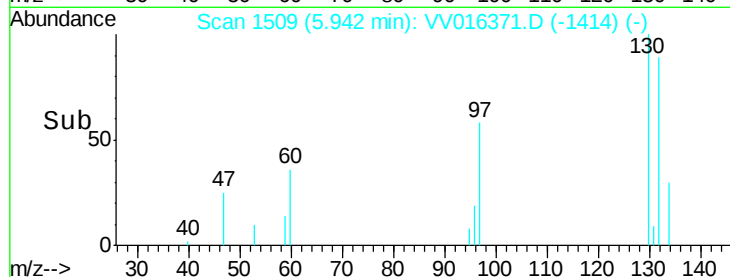
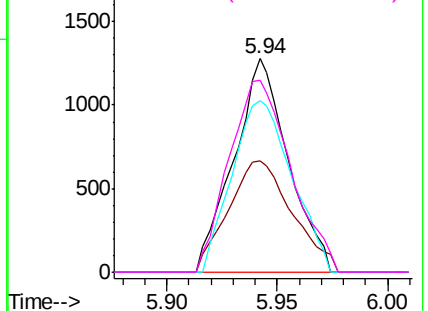


Abundance Ion 95.00 (94.70 to 95.70): VV016371.D (-1495) (-)

Ion 96.95 (96.65 to 97.65): VV016371.D (-1495) (-)

Ion 131.95 (131.65 to 132.65): VV016371.D (-1495) (-)

Ion 129.95 (129.65 to 130.65): VV016371.D (-1495) (-)



#35

Methylcyclohexane

Concen: 0.856 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.06 min

Lab File: VV016371.D

Acq: 30 May 2020 19:49

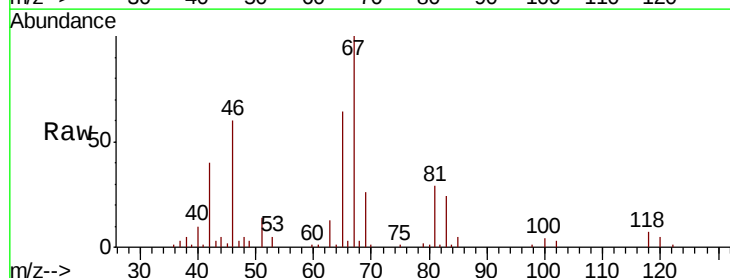
Tgt Ion: 83 Resp: 7629

Ion Ratio Lower Upper

83 100

55 0.0 67.0 100.4#

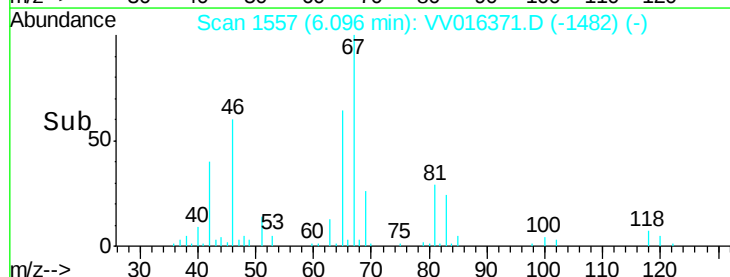
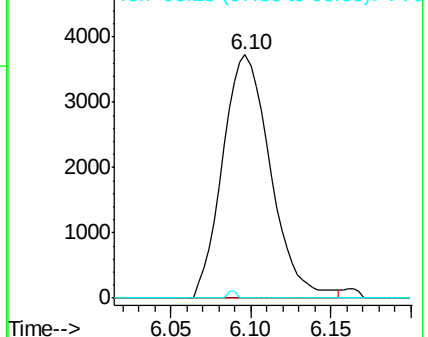
98 0.5 39.0 58.4#

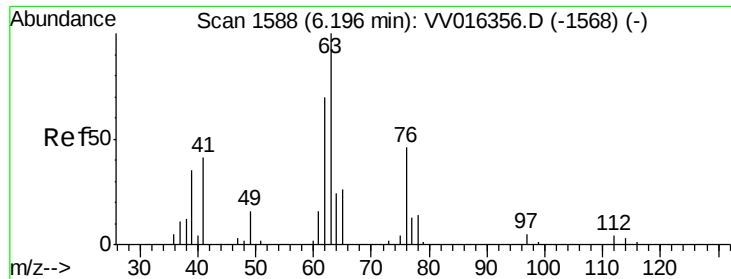


Abundance Ion 83.15 (82.85 to 83.85): VV016371.D (-1482) (-)

Ion 55.10 (54.80 to 55.80): VV016371.D (-1482) (-)

Ion 98.15 (97.85 to 98.85): VV016371.D (-1482) (-)

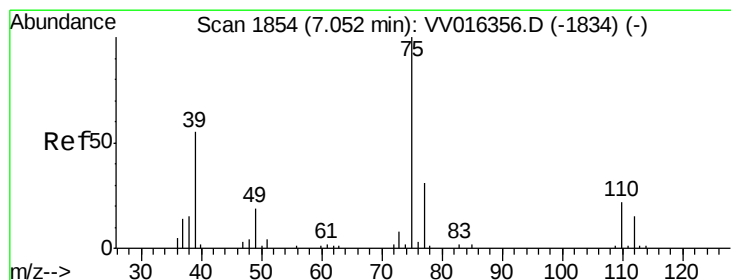
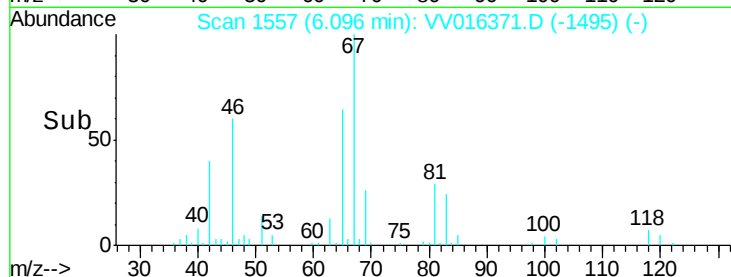
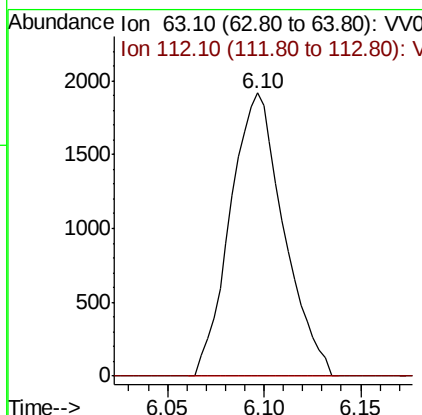
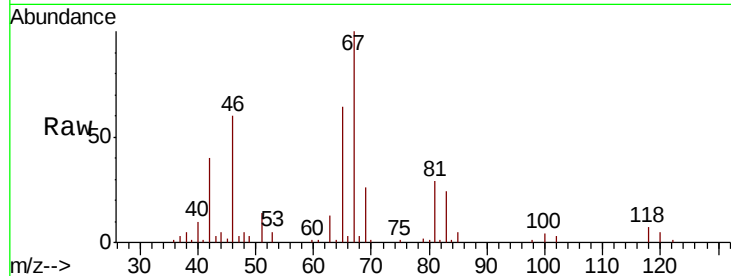




#37
 1,2-Dichloropropane
 Concen: 0.690 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.10 min
 Lab File: VV016371.D
 Acq: 30 May 2020 19:49

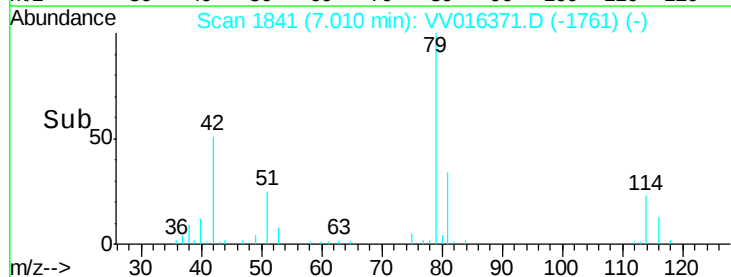
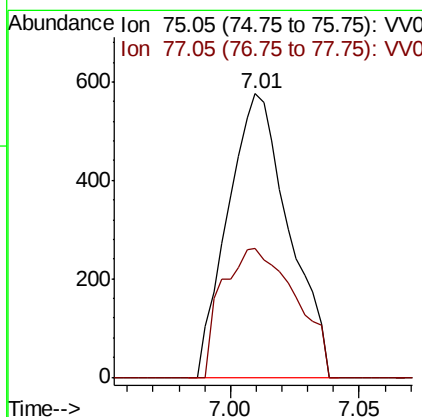
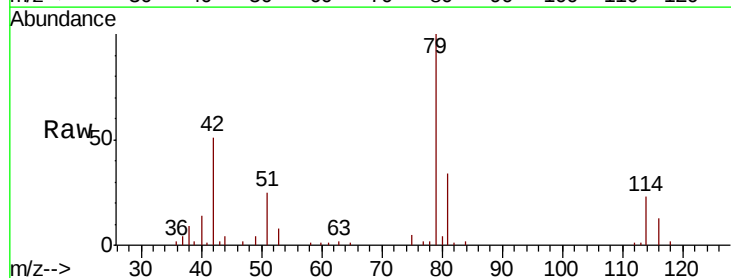
Instrument :
 MSVOA_V
 ClientSampleId :

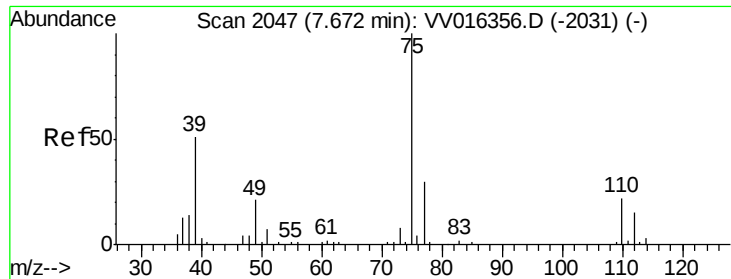
Tot Ion: 63 Resp: 3683
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.4 5.0#



#39
 cis-1,3-Dichloropropene
 Concen: 0.135 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV016371.D
 Acq: 30 May 2020 19:49

Tgt Ion: 75 Resp: 949
 Ion Ratio Lower Upper
 75 100
 77 45.5 22.0 41.0#

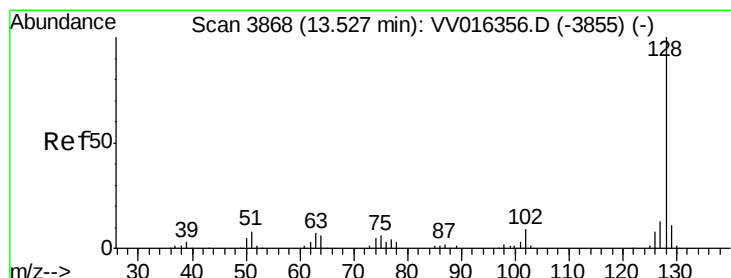
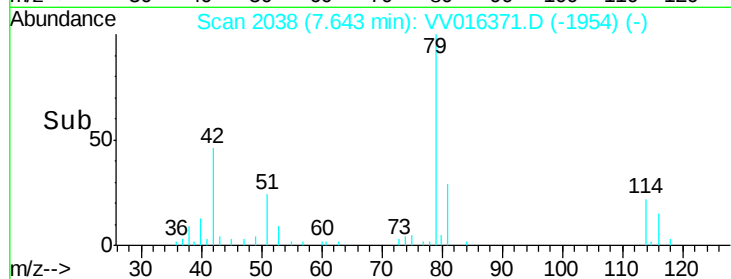
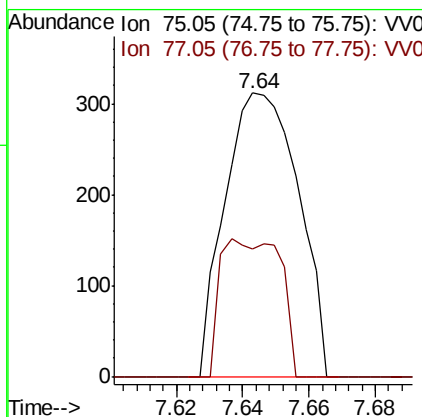
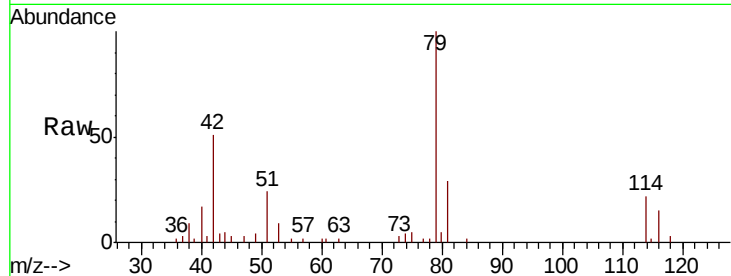




#46
trans-1,3-Dichloropropene
Concen: 0.082 ug/L
RT: 7.64 min Scan# 2038
Delta R.T. -0.03 min
Lab File: VV016371.D
Acq: 30 May 2020 19:49

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 75 Resp: 480
Ion Ratio Lower Upper
75 100
77 45.2 21.1 39.3#



#70
Naphthalene
Concen: 1.814 ug/L
RT: 13.53 min Scan# 3868
Delta R.T. -0.00 min
Lab File: VV016371.D
Acq: 30 May 2020 19:49

Tgt Ion:128 Resp: 25954
Ion Ratio Lower Upper
128 100
129 10.3 8.6 12.8
127 12.6 10.7 16.1

