

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060120\
 Data File : VV016402.D
 Acq On : 01 Jun 2020 11:10
 Operator : SY/MD
 Sample : L2826-06
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 02 01:15:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR053020WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jun 02 01:13:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	81133	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	72780	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	26174	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	29407	4.14	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.80%
7) Chloroethane-d5	1.58	69	23098	4.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.60%
11) 1,1-Dichloroethene-d2	2.12	63	41343	3.33	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.60%
20) 2-Butanone-d5	3.96	46	71459	46.63	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.26%
24) Chloroform-d	4.38	84	53446	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.00%
26) 1,2-Dichloroethane-d4	5.06	65	29049	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.80%
32) Benzene-d6	5.08	84	103319	5.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.00%
36) 1,2-Dichloropropane-d6	6.10	67	31667	4.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.20%
41) Toluene-d8	7.34	98	89393	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.60%
45) trans-1,3-Dichloropropene-	7.64	79	11735	5.09	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.80%
48) 2-Hexanone-d5	8.12	63	56531	52.75	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.50%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	20306	4.50	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	21949	4.52	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	90.40%

Target Compounds

					Ovalue
3) Chloromethane	1.25	50	731	0.090 ug/L	96
5) Vinyl chloride	1.32	62	11589	1.601 ug/L	88
8) Chloroethane	1.45	64	411855	94.448 ug/L #	50
12) 1,1-Dichloroethene	2.13	96	618	0.118 ug/L #	1
14) Carbon disulfide	2.37	76	5637	0.355 ug/L	96
15) Methyl Acetate	2.47	43	3277	1.267 ug/L #	88
16) Methylene chloride	2.52	84	1355	0.243 ug/L	96
18) trans-1,2-Dichloroethene	2.78	96	23487	4.238 ug/L	97
19) 1,1-Dichloroethane	3.22	63	1094	0.100 ug/L #	77
21) 2-Butanone	4.05	43	5405	3.556 ug/L	90
22) cis-1,2-Dichloroethene	3.94	96	48211	7.881 ug/L	98
25) Chloroform	4.41	83	8984	0.820 ug/L	94
33) Benzene	5.12	78	1326	0.062 ug/L	100
34) Trichloroethene	5.94	95	7984	1.413 ug/L	97
35) Methylcyclohexane	6.10	83	7625	0.838 ug/L #	15
37) 1,2-Dichloropropane	6.10	63	3770	0.692 ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	852	0.118 ug/L #	66

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jun 02 01:13:11 2020
Response via : Initial Calibration

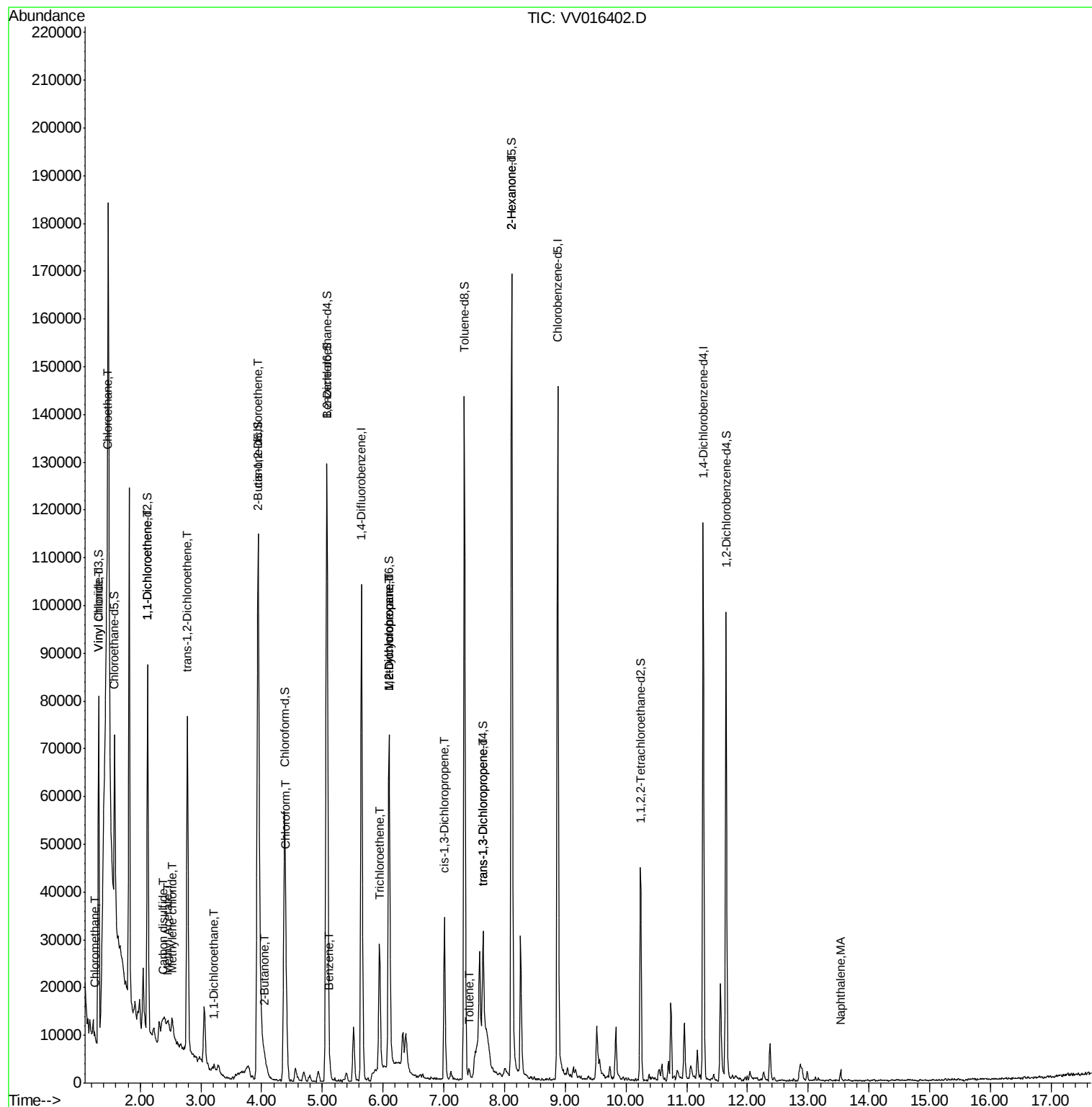
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	1529	0.067	ug/L	96
46) trans-1,3-Dichloropropene	7.65	75	993	0.167	ug/L	91
50) 2-Hexanone	8.12	43	7613	3.317	ug/L #	69
70) Naphthalene	13.53	128	1984	0.166	ug/L #	86

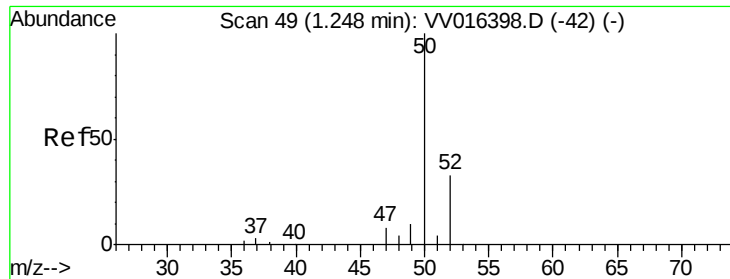
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.090 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV016402.D

Acq: 01 Jun 2020 11:10

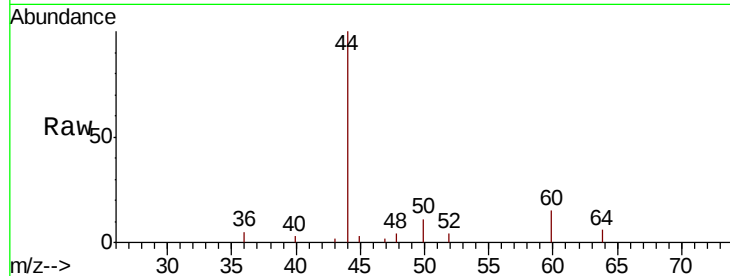
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 50 Resp: 731

Ion Ratio Lower Upper

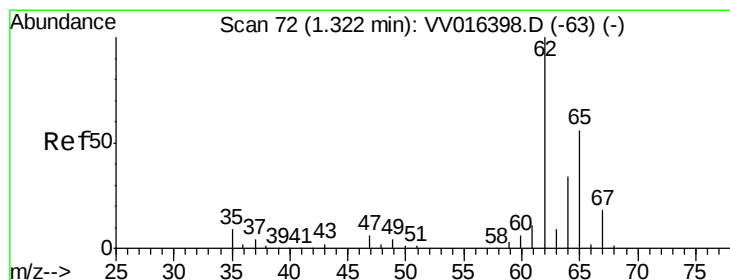
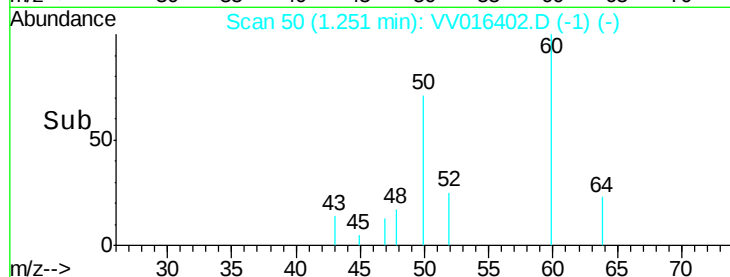
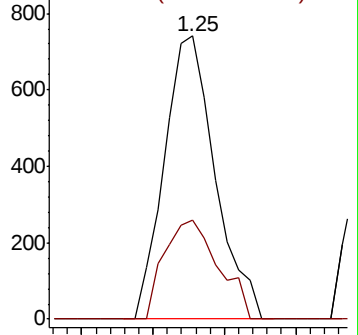
50 100

52 35.2 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: 1.601 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV016402.D

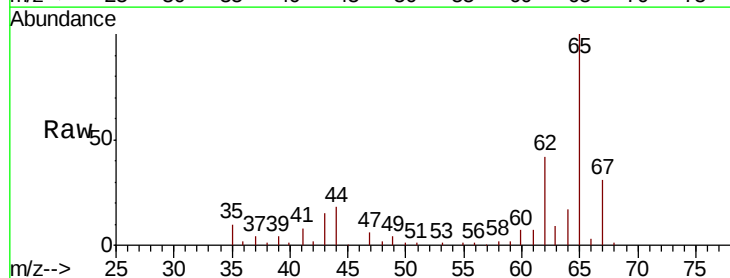
Acq: 01 Jun 2020 11:10

Tgt Ion: 62 Resp: 11589

Ion Ratio Lower Upper

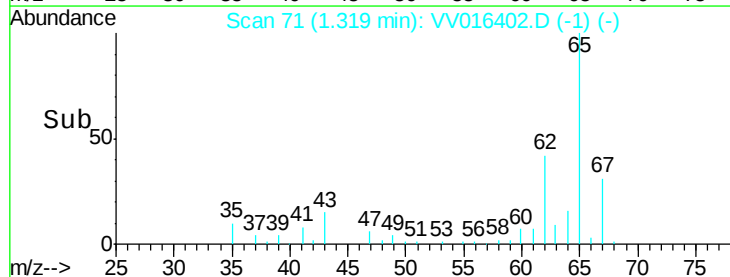
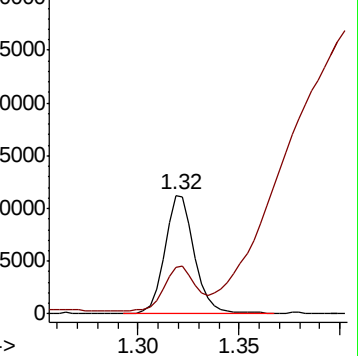
62 100

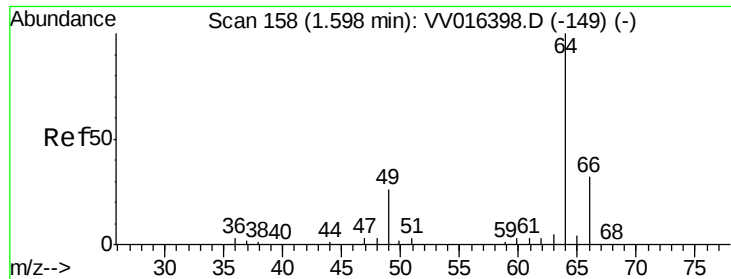
64 39.7 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

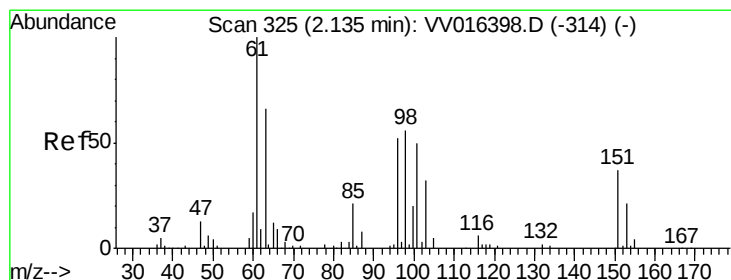
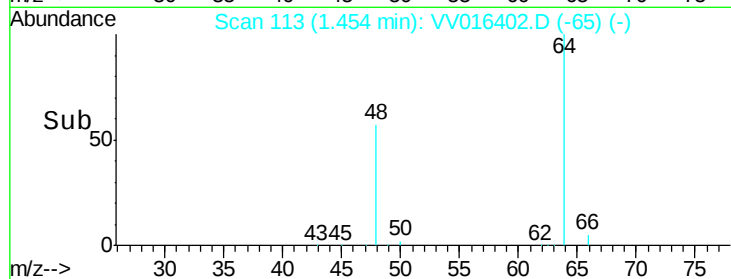
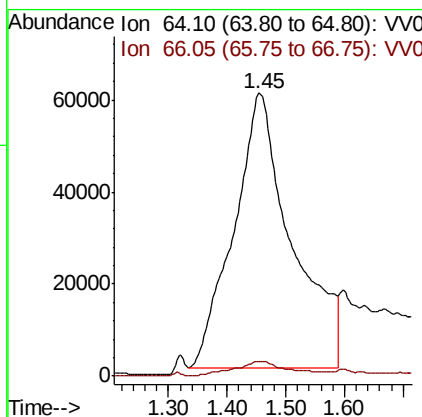
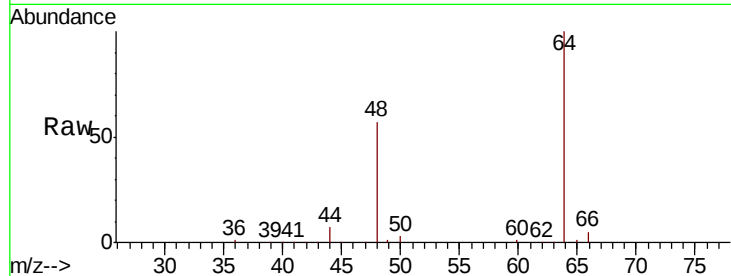




#8
 Chloroethane
 Concen: 94.448 ug/L
 RT: 1.45 min Scan# 113
 Delta R.T. -0.14 min
 Lab File: VV016402.D
 Acq: 01 Jun 2020 11:10

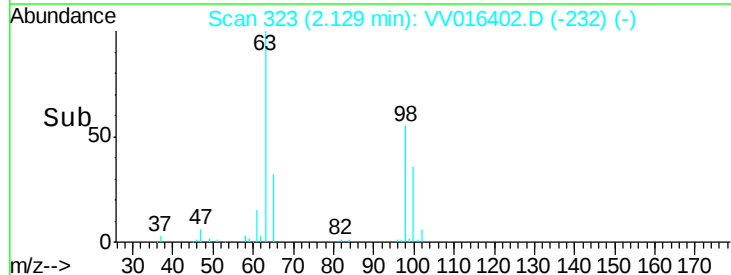
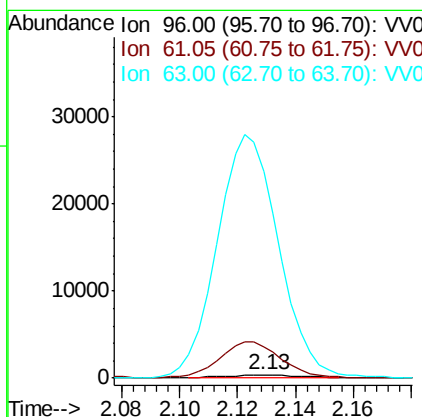
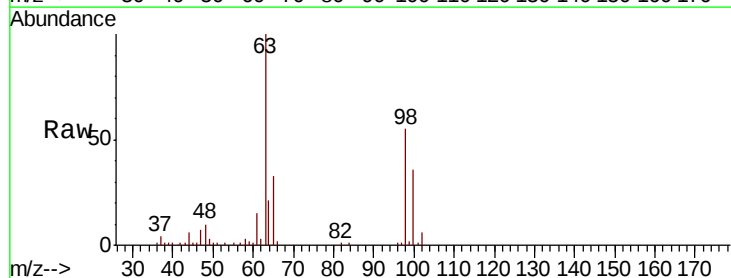
Instrument :
 MSVOA_V
 ClientSampleId :

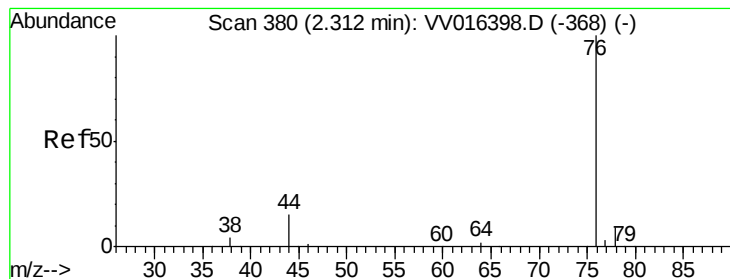
Tot Ion: 64 Resp: 411855
 Ion Ratio Lower Upper
 64 100
 66 5.3 23.4 43.6#



#12
 1,1-Dichloroethene
 Concen: 0.118 ug/L
 RT: 2.13 min Scan# 323
 Delta R.T. -0.01 min
 Lab File: VV016402.D
 Acq: 01 Jun 2020 11:10

Tgt Ion: 96 Resp: 618
 Ion Ratio Lower Upper
 96 100
 61 1029.5 125.4 233.0#
 63 6752.3 88.2 163.8#





#14

Carbon disulfide

Concen: 0.355 ug/L

RT: 2.37 min Scan# 399

Delta R.T. 0.06 min

Lab File: VV016402.D

Acq: 01 Jun 2020 11:10

Instrument :

MSVOA_V

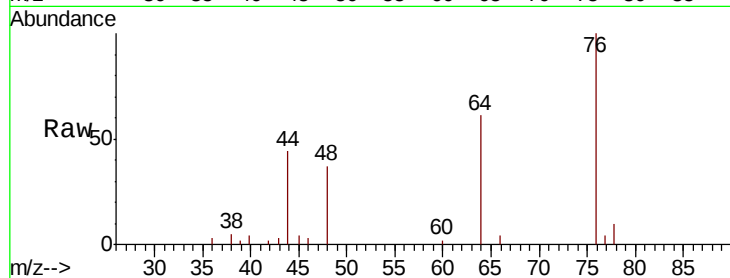
ClientSampleId :

Tot Ion: 76 Resp: 5637

Ion Ratio Lower Upper

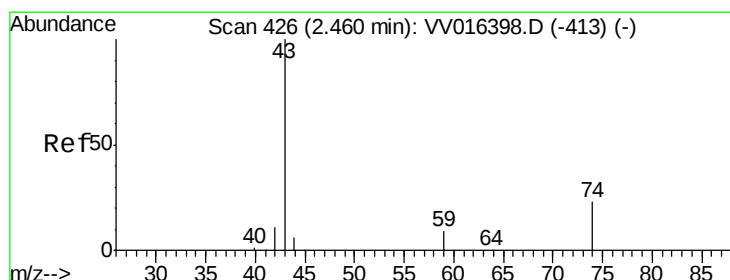
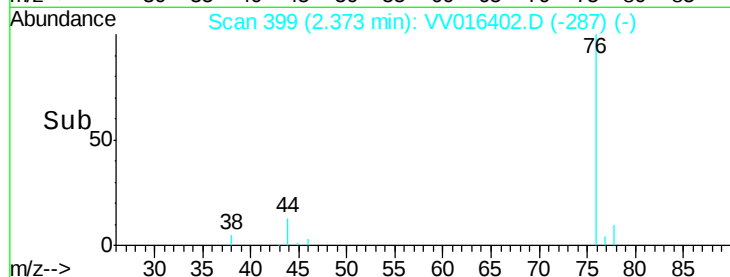
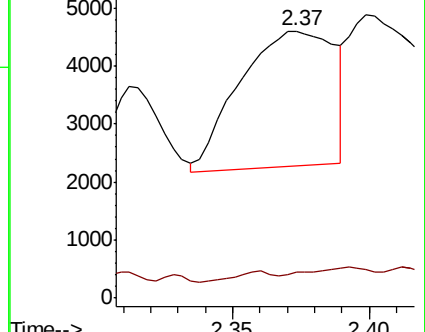
76 100

78 9.8 6.8 10.2



Abundance Ion 76.05 (75.75 to 76.75): VV016398.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VV016398.D (-368) (-)



#15

Methyl Acetate

Concen: 1.267 ug/L

RT: 2.47 min Scan# 428

Delta R.T. 0.01 min

Lab File: VV016402.D

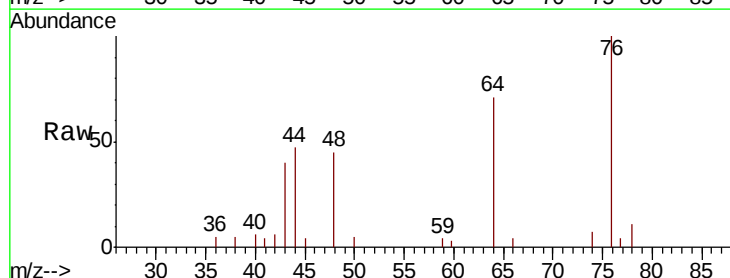
Acq: 01 Jun 2020 11:10

Tgt Ion: 43 Resp: 3277

Ion Ratio Lower Upper

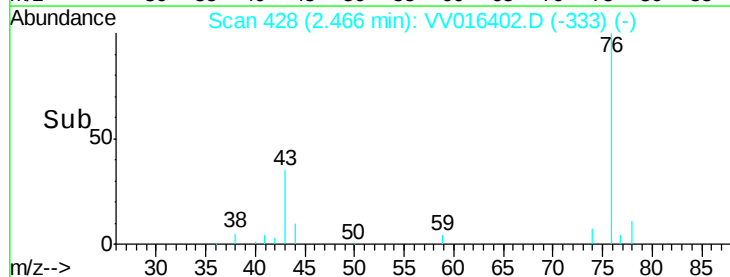
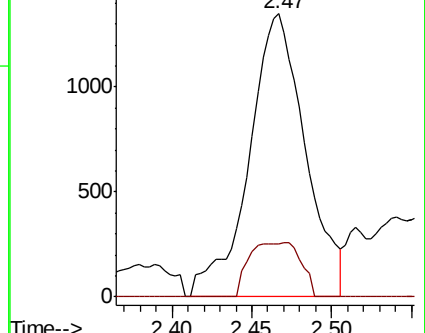
43 100

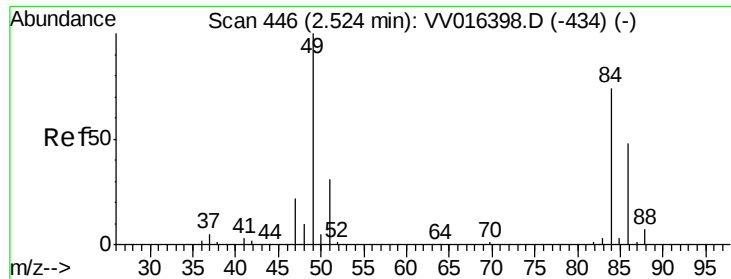
74 17.3 18.6 28.0#



Abundance Ion 43.05 (42.75 to 43.75): VV016398.D (-413) (-)

Ion 74.05 (73.75 to 74.75): VV016398.D (-413) (-)

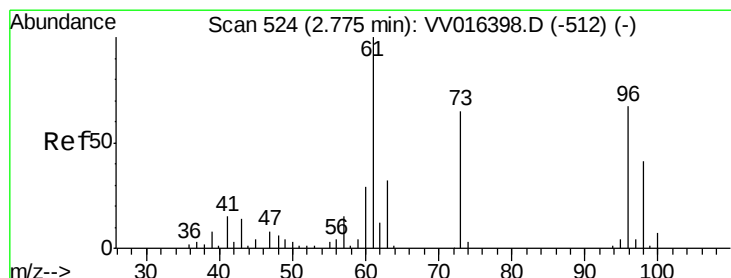
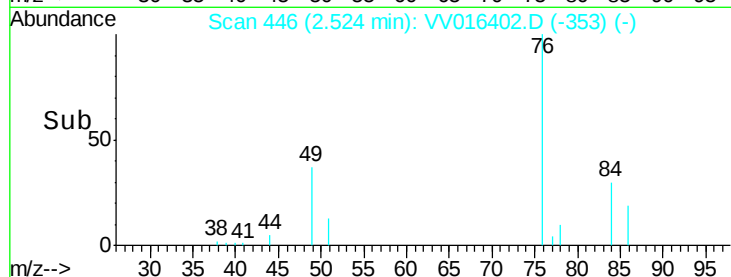
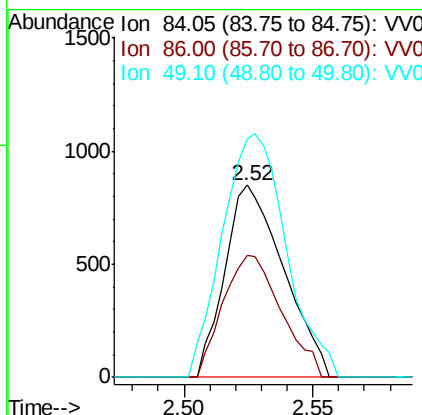
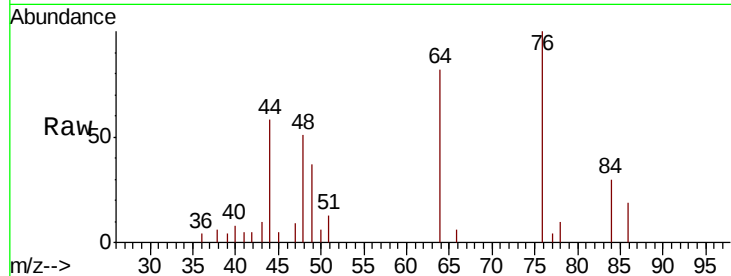




#16
Methvlene chloride
Concen: 0.243 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV016402.D
Acq: 01 Jun 2020 11:10

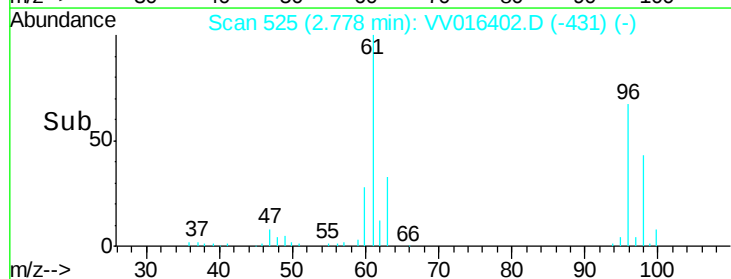
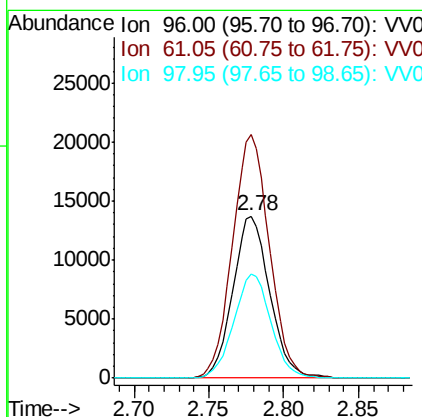
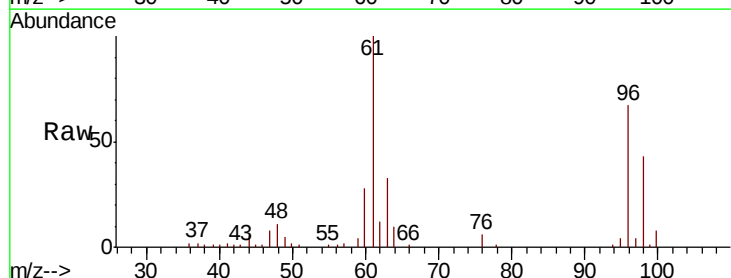
Instrument :
MSVOA_V
ClientSampled :

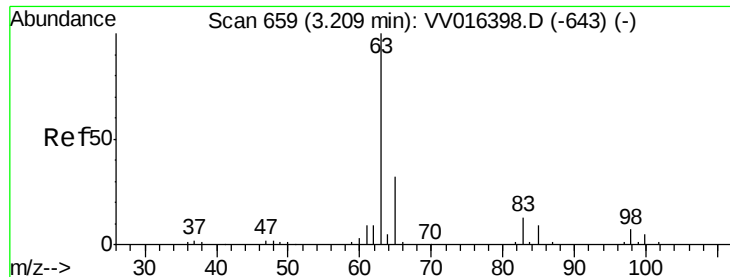
Tot Ion: 84 Resp: 1355
Ion Ratio Lower Upper
84 100
86 63.4 44.5 82.7
49 124.3 92.3 171.3



#18
trans-1,2-Dichloroethene
Concen: 4.238 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.00 min
Lab File: VV016402.D
Acq: 01 Jun 2020 11:10

Tgt Ion: 96 Resp: 23487
Ion Ratio Lower Upper
96 100
61 150.2 103.1 191.5
98 64.1 43.0 79.8

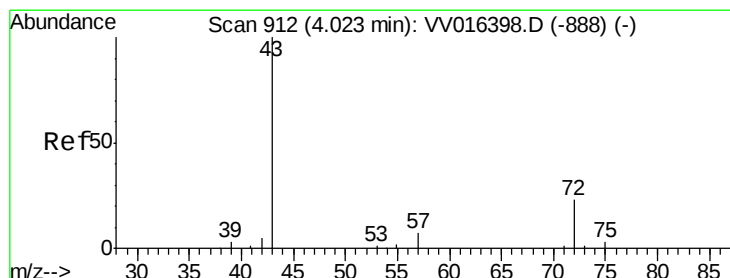
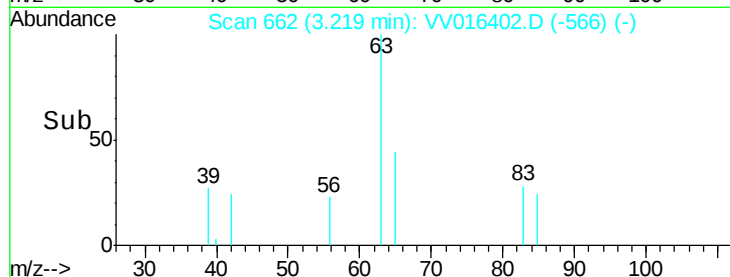
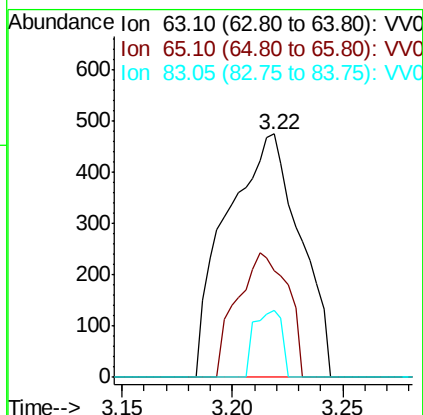
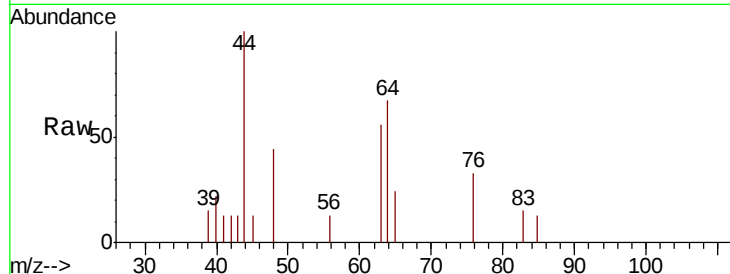




#19
 1,1-Dichloroethane
 Concen: 0.100 ug/L
 RT: 3.22 min Scan# 662
 Delta R.T. 0.01 min
 Lab File: VV016402.D
 Acq: 01 Jun 2020 11:10

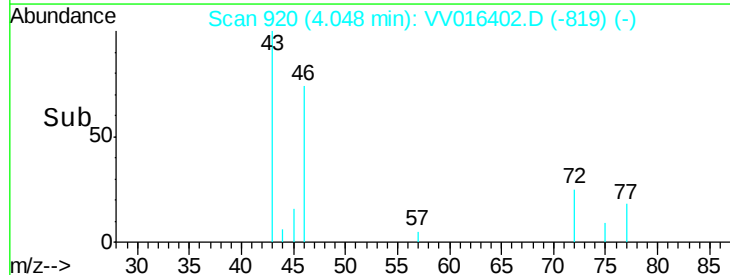
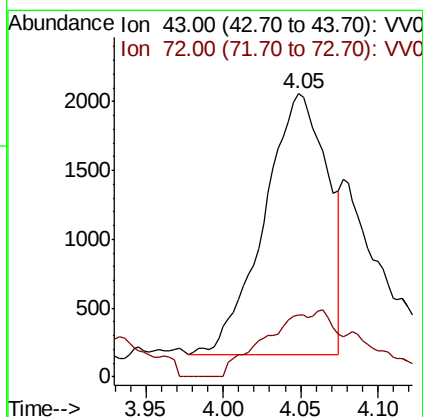
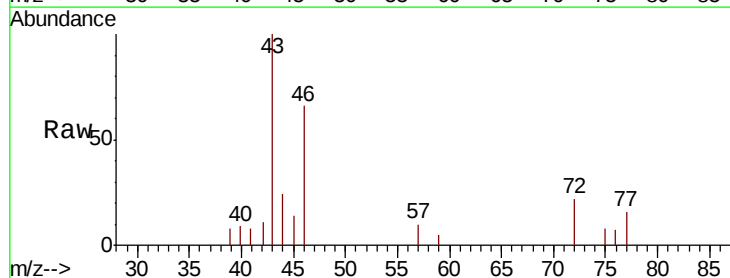
Instrument :
 MSVOA_V
 ClientSampleId :

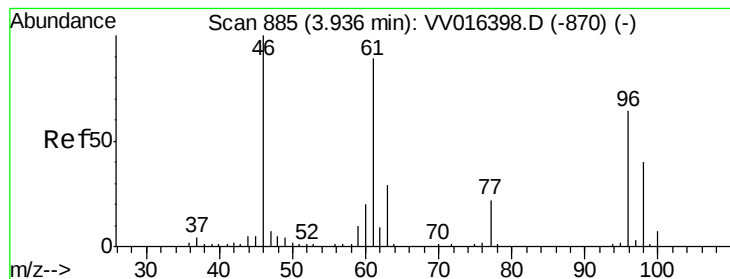
Tot Ion: 63 Resp: 1094
 Ion Ratio Lower Upper
 63 100
 65 44.0 23.3 43.3#
 83 27.8 9.9 18.3#



#21
 2-Butanone
 Concen: 3.556 ug/L
 RT: 4.05 min Scan# 920
 Delta R.T. 0.03 min
 Lab File: VV016402.D
 Acq: 01 Jun 2020 11:10

Tgt Ion: 43 Resp: 5405
 Ion Ratio Lower Upper
 43 100
 72 17.8 11.2 33.6



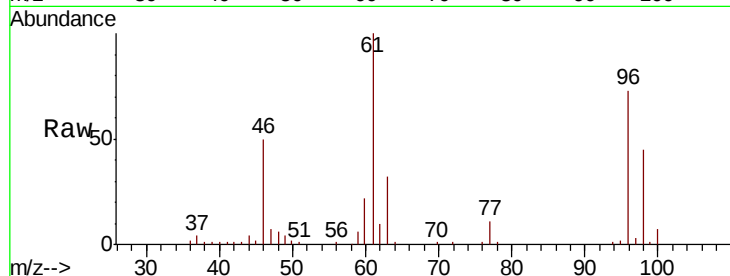


#22

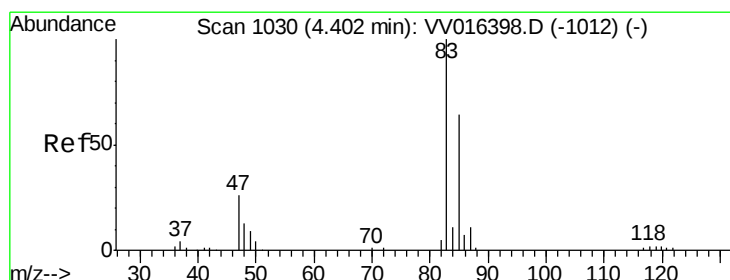
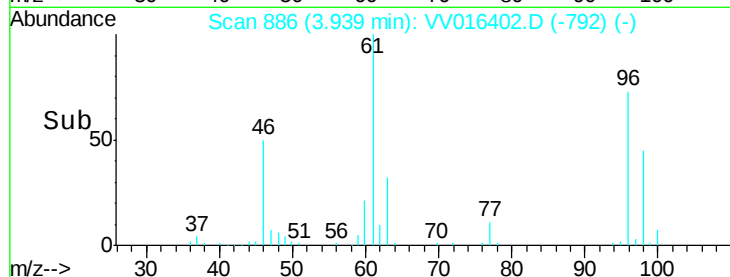
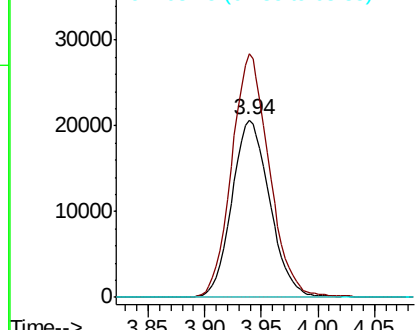
cis-1,2-Dichloroethene
Concen: 7.881 ug/L
RT: 3.94 min Scan# 886
Delta R.T. 0.00 min
Lab File: VV016402.D
Acq: 01 Jun 2020 11:10

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 96 Resp: 48211
Ion Ratio Lower Upper
96 100
61 137.4 94.8 176.0
68 0.0 0.0 0.0



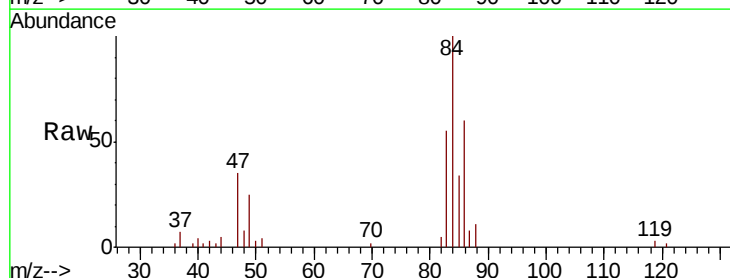
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



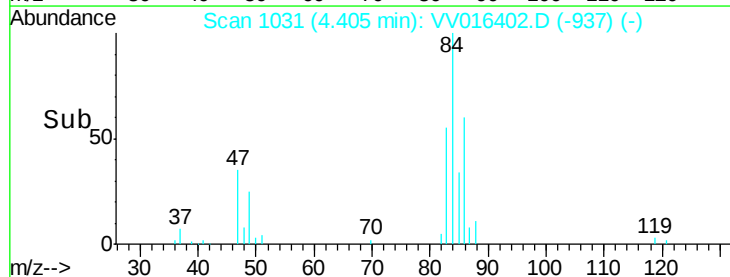
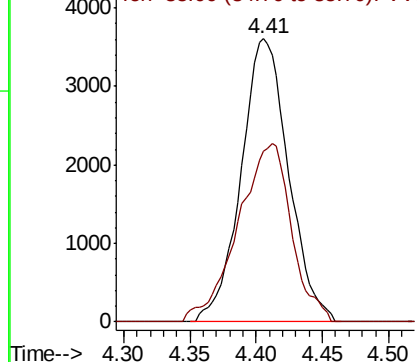
#25

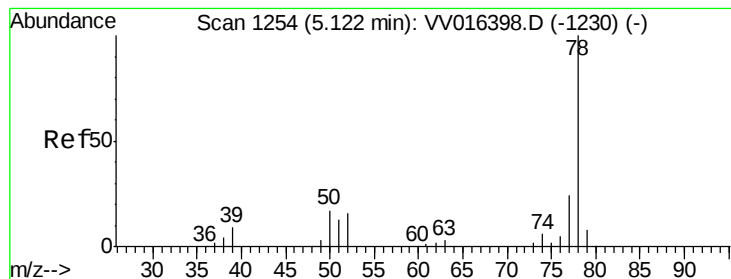
Chloroform
Concen: 0.820 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV016402.D
Acq: 01 Jun 2020 11:10

Tgt Ion: 83 Resp: 8984
Ion Ratio Lower Upper
83 100
85 60.5 45.8 85.2



Abundance Ion 83.05 (82.75 to 83.75): VV0
Ion 85.00 (84.70 to 85.70): VV0





#33

Benzene

Concen: 0.062 ug/L

RT: 5.12 min Scan# 1254

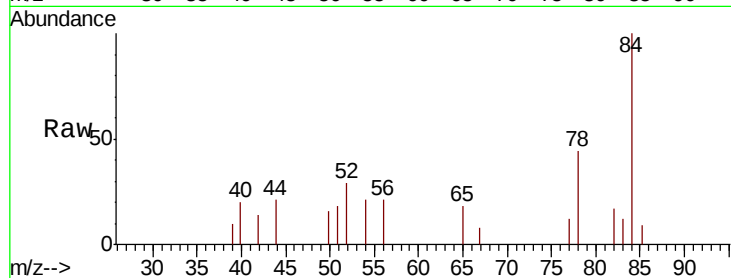
Delta R.T. 0.00 min

Lab File: VV016402.D

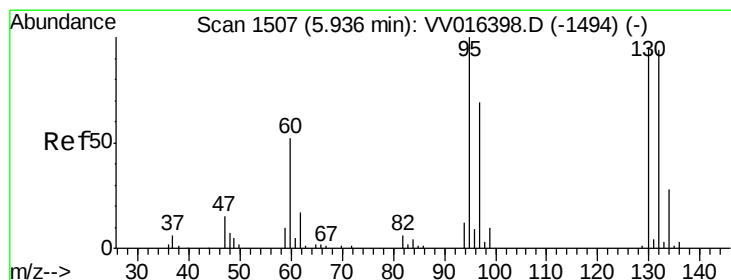
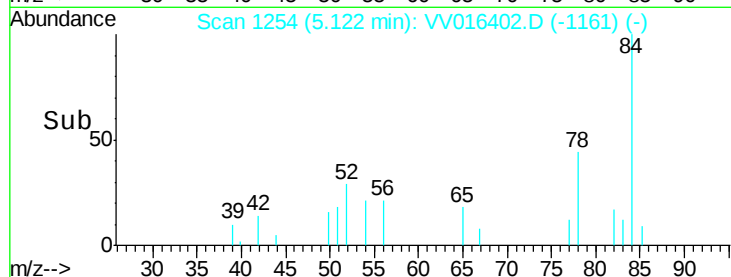
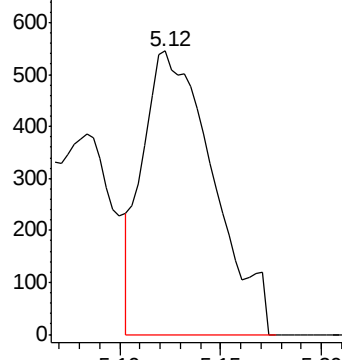
Acq: 01 Jun 2020 11:10

Instrument :
MSVOA_V
ClientSampled :

Tgt Ion: 78 Resp: 1326



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 1.413 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VV016402.D

Acq: 01 Jun 2020 11:10

Tgt Ion: 95 Resp: 7984

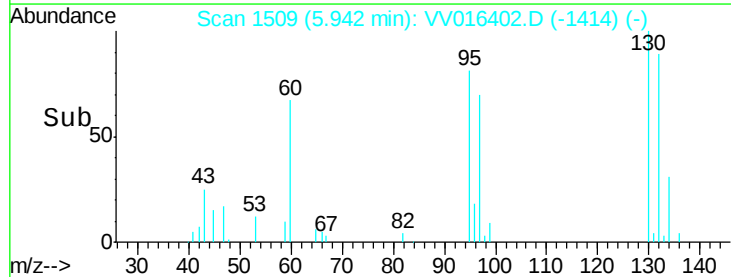
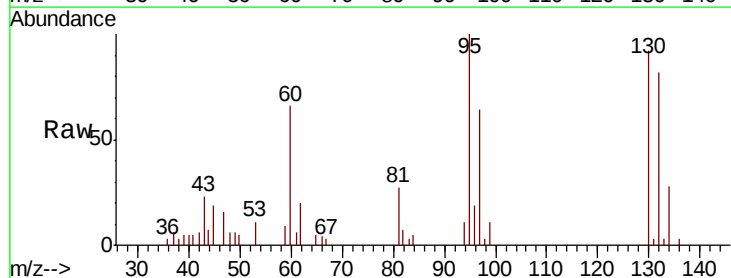
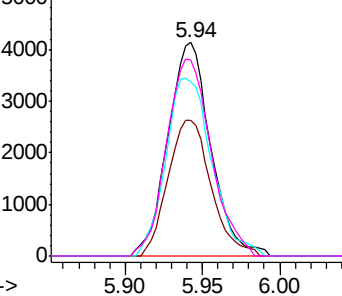
Ion	Ratio	Lower	Upper
95	100		
97	63.8	42.6	79.0
132	81.7	59.6	110.8
130	91.7	64.8	120.4

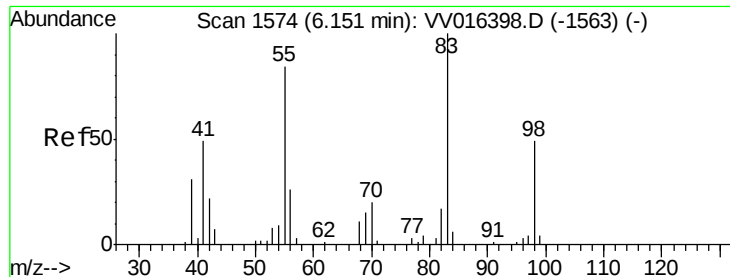
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0

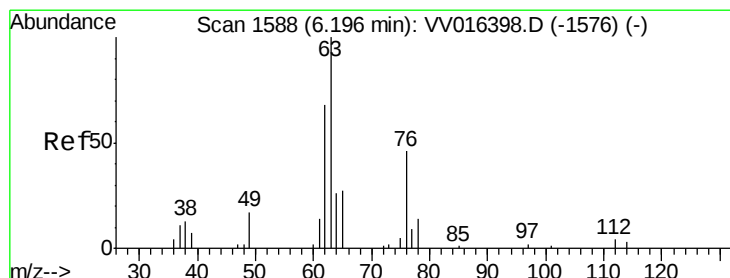
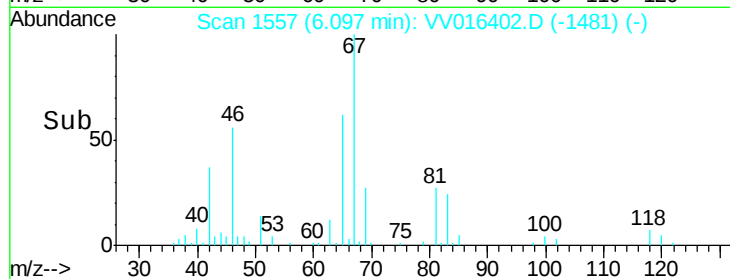
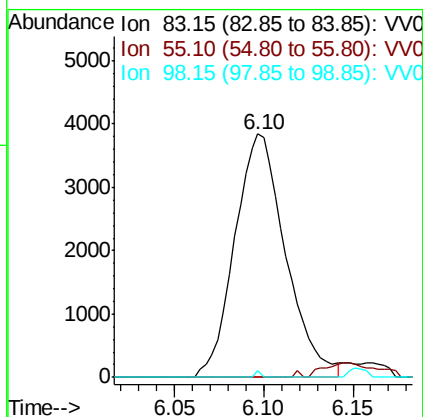
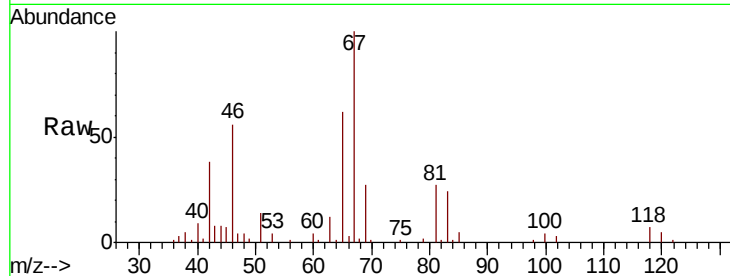




#35
Methvlcvclohexane
Concen: 0.838 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.05 min
Lab File: VV016402.D
Acq: 01 Jun 2020 11:10

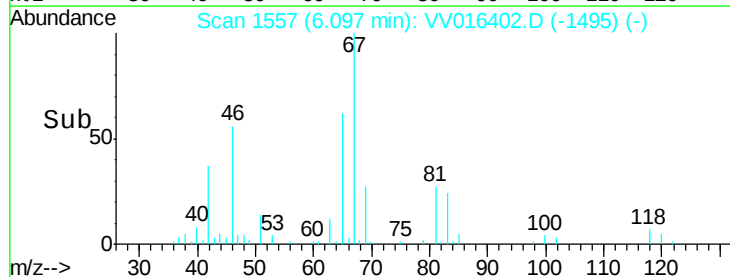
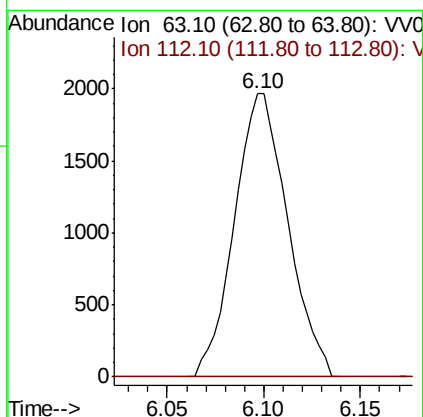
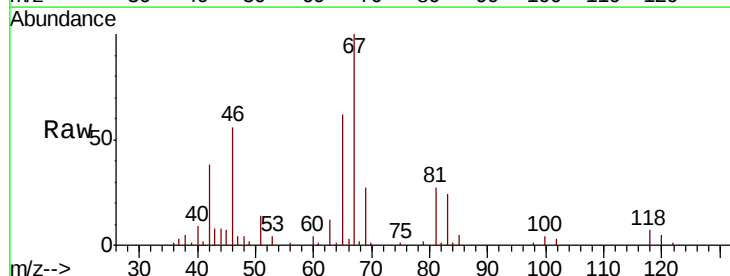
Instrument :
MSVOA_V
ClientSampleId :

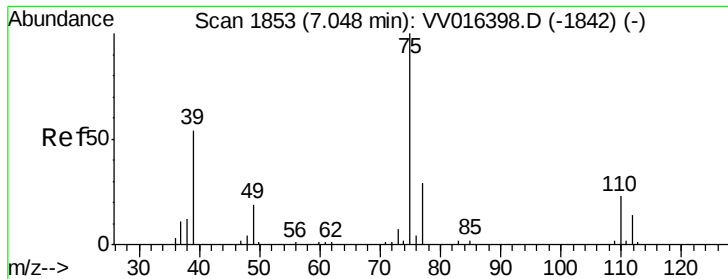
Tot Ion: 83 Resp: 7625
Ion Ratio Lower Upper
83 100
55 0.3 67.0 100.4#
98 0.2 39.0 58.4#



#37
1,2-Dichloropropane
Concen: 0.692 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.10 min
Lab File: VV016402.D
Acq: 01 Jun 2020 11:10

Tgt Ion: 63 Resp: 3770
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#

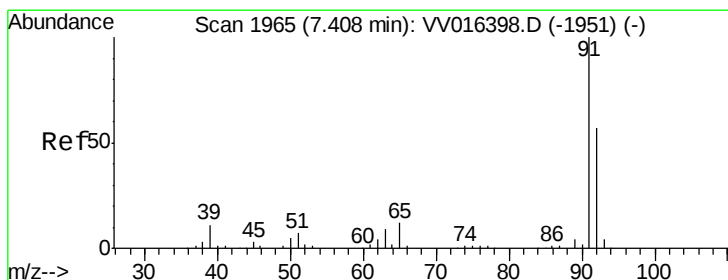
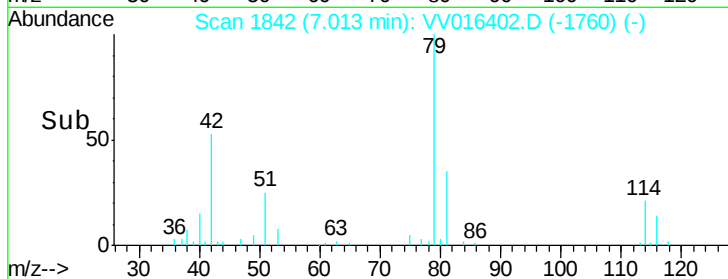
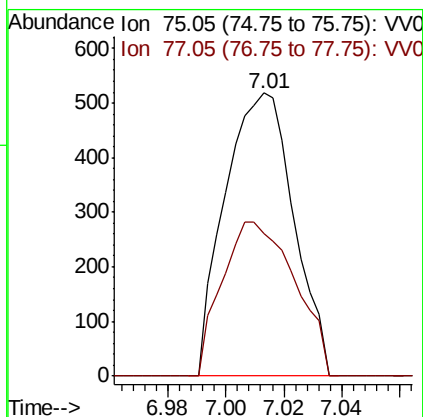
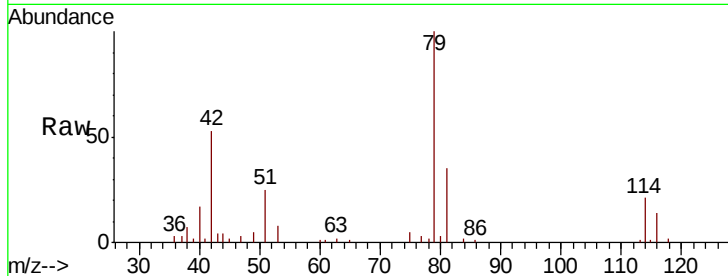




#39
 cis-1,3-Dichloropropene
 Concen: 0.118 ug/L
 RT: 7.01 min Scan# 1842
 Delta R.T. -0.04 min
 Lab File: VV016402.D
 Acq: 01 Jun 2020 11:10

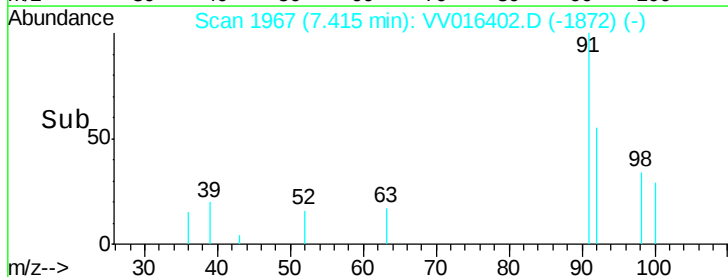
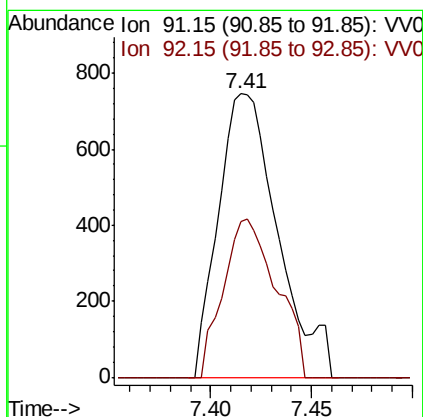
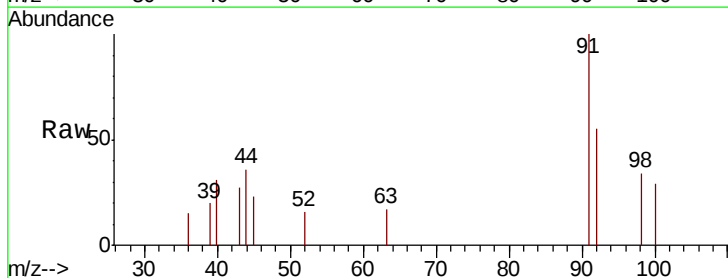
Instrument :
 MSVOA_V
 ClientSampleId :

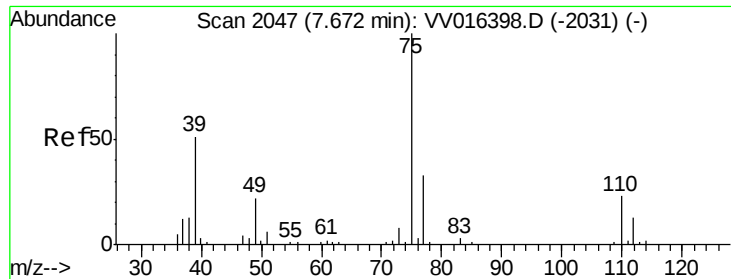
Tot Ion: 75 Resp: 852
 Ion Ratio Lower Upper
 75 100
 77 50.2 22.0 41.0#



#42
 Toluene
 Concen: 0.067 ug/L
 RT: 7.41 min Scan# 1967
 Delta R.T. 0.01 min
 Lab File: VV016402.D
 Acq: 01 Jun 2020 11:10

Tgt Ion: 91 Resp: 1529
 Ion Ratio Lower Upper
 91 100
 92 55.1 40.5 75.1

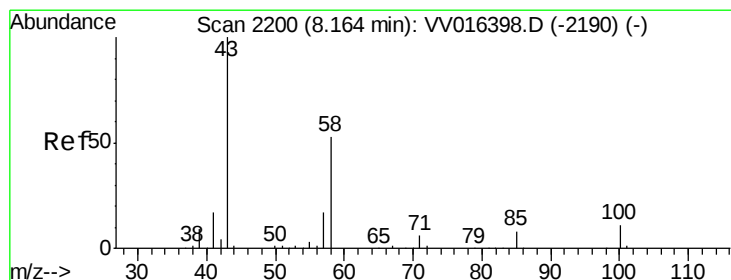
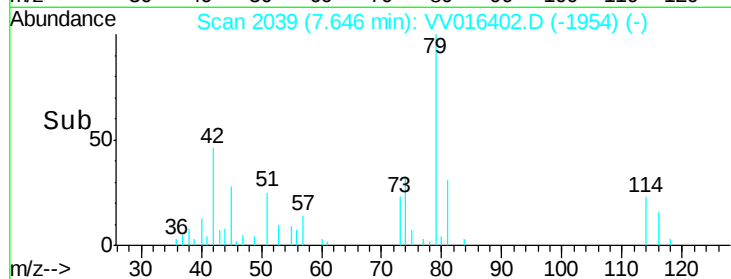
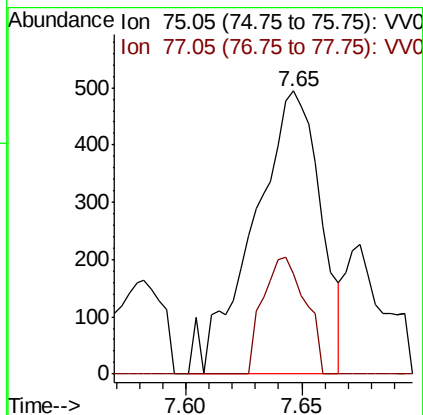
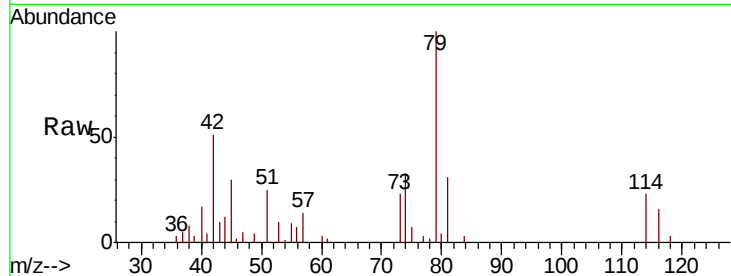




#46
trans-1,3-Dichloropropene
Concen: 0.167 ug/L
RT: 7.65 min Scan# 2039
Delta R.T. -0.03 min
Lab File: VV016402.D
Acq: 01 Jun 2020 11:10

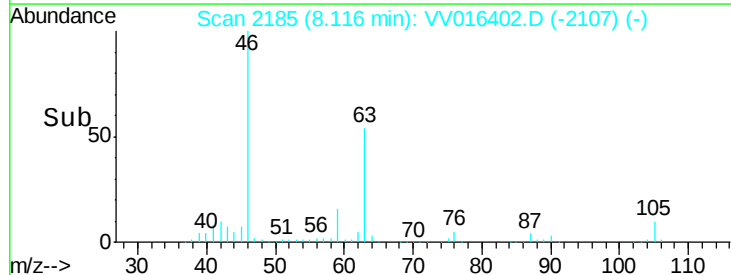
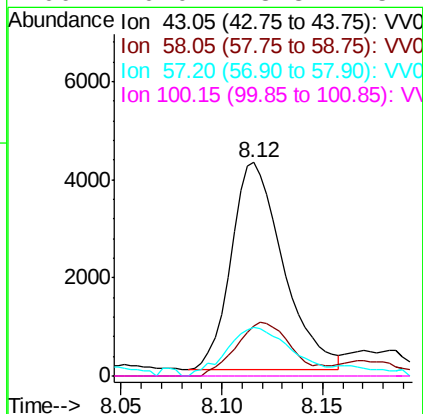
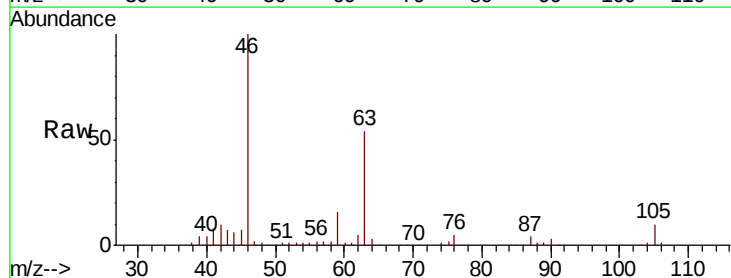
Instrument :
MSVOA_V
ClientSampleId :

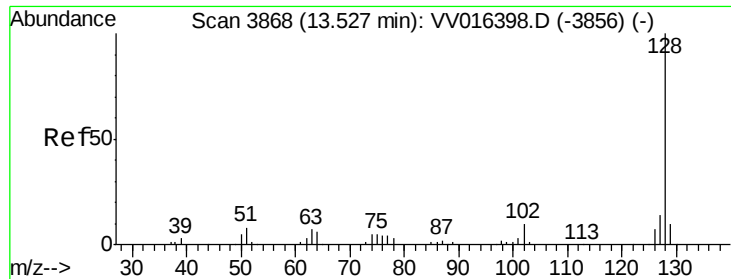
Tot Ion: 75 Resp: 993
Ion Ratio Lower Upper
75 100
77 35.2 21.1 39.3



#50
2-Hexanone
Concen: 3.317 ug/L
RT: 8.12 min Scan# 2185
Delta R.T. -0.05 min
Lab File: VV016402.D
Acq: 01 Jun 2020 11:10

Tgt Ion: 43 Resp: 7613
Ion Ratio Lower Upper
43 100
58 27.7 41.1 61.7#
57 29.3 14.2 21.4#
100 0.0 8.8 13.2#





#70

Naphthalene

Concen: 0.166 ug/L

RT: 13.53 min Scan# 3870

Delta R.T. 0.01 min

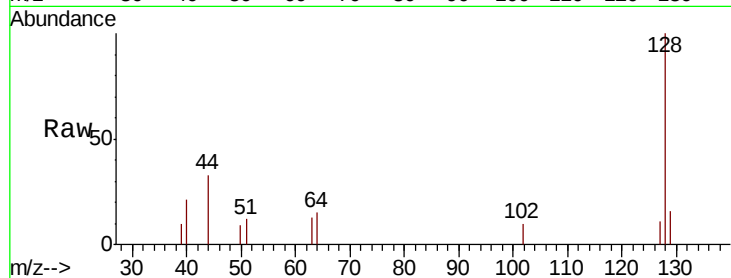
Lab File: VV016402.D

Acq: 01 Jun 2020 11:10

Instrument :

MSVOA_V

ClientSampleId :



Tot Ion:	128	Resp:	1984
Ion	Ratio	Lower	Upper
128	100		
129	8.8	8.6	12.8
127	4.7	10.7	16.1

