

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060120\
 Data File : VV016403.D
 Acq On : 01 Jun 2020 11:37
 Operator : SY/MD
 Sample : L2826-10DL 10X
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 02 01:15:30 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	5.63	114	83423	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	71934	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.28	152	21851	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.33	65	28582	3.91	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.20%
7) Chloroethane-d5	1.58	69	12016	2.16	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	43.20%#
11) 1,1-Dichloroethene-d2	2.11	63	35628	2.79	ug/L	-0.02
Spiked Amount	5.000	Range	60 - 125	Recovery	=	55.80%#
20) 2-Butanone-d5	3.99	46	29985	19.03	ug/L	0.05
Spiked Amount	50.000	Range	40 - 130	Recovery	=	38.06%#
24) Chloroform-d	4.36	84	48688	3.94	ug/L	-0.01
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.80%
26) 1,2-Dichloroethane-d4	5.05	65	31550	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.00%
32) Benzene-d6	5.05	84	113654	5.56	ug/L	-0.02
Spiked Amount	5.000	Range	70 - 125	Recovery	=	111.20%
36) 1,2-Dichloropropane-d6	6.09	67	33136	5.25	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.00%
41) Toluene-d8	7.33	98	93930	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.60%
45) trans-1,3-Dichloropropene-	7.64	79	10663	4.68	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.60%
48) 2-Hexanone-d5	8.13	63	7816	7.38	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	14.76%#
59) 1,1,2,2-Tetrachloroethane-	10.26	84	21199	4.75	ug/L	0.03
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.00%
65) 1,2-Dichlorobenzene-d4	11.66	152	19592	4.83	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.60%

Target Compounds

					Ovalue
3) Chloromethane	1.25	50	992	0.119 ug/L	99
5) Vinyl chloride	1.33	62	2809	0.377 ug/L #	21
6) Bromomethane	1.53	94	1626	0.389 ug/L	92
8) Chloroethane	1.50	64	40612	9.058 ug/L #	50
12) 1,1-Dichloroethene	2.11	96	400	0.074 ug/L #	1
14) Carbon disulfide	2.29	76	3141	0.192 ug/L #	84
15) Methyl Acetate	2.46	43	1373	0.516 ug/L #	67
16) Methylene chloride	2.50	84	1884	0.328 ug/L #	9
18) trans-1,2-Dichloroethene	2.74	96	2939	0.516 ug/L	85
21) 2-Butanone	4.07	43	25677	16.428 ug/L	85
22) cis-1,2-Dichloroethene	3.92	96	50158	7.974 ug/L	98
25) Chloroform	4.39	83	10628	0.943 ug/L	94
27) 1,2-Dichloroethane	5.05	62	726	0.098 ug/L #	76
34) Trichloroethene	5.93	95	6260	1.121 ug/L	96
35) Methylcyclohexane	6.09	83	8342	0.927 ug/L #	16
37) 1,2-Dichloropropane	6.09	63	4019	0.746 ug/L #	87
50) 2-Hexanone	8.18	43	1204	0.531 ug/L #	60

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

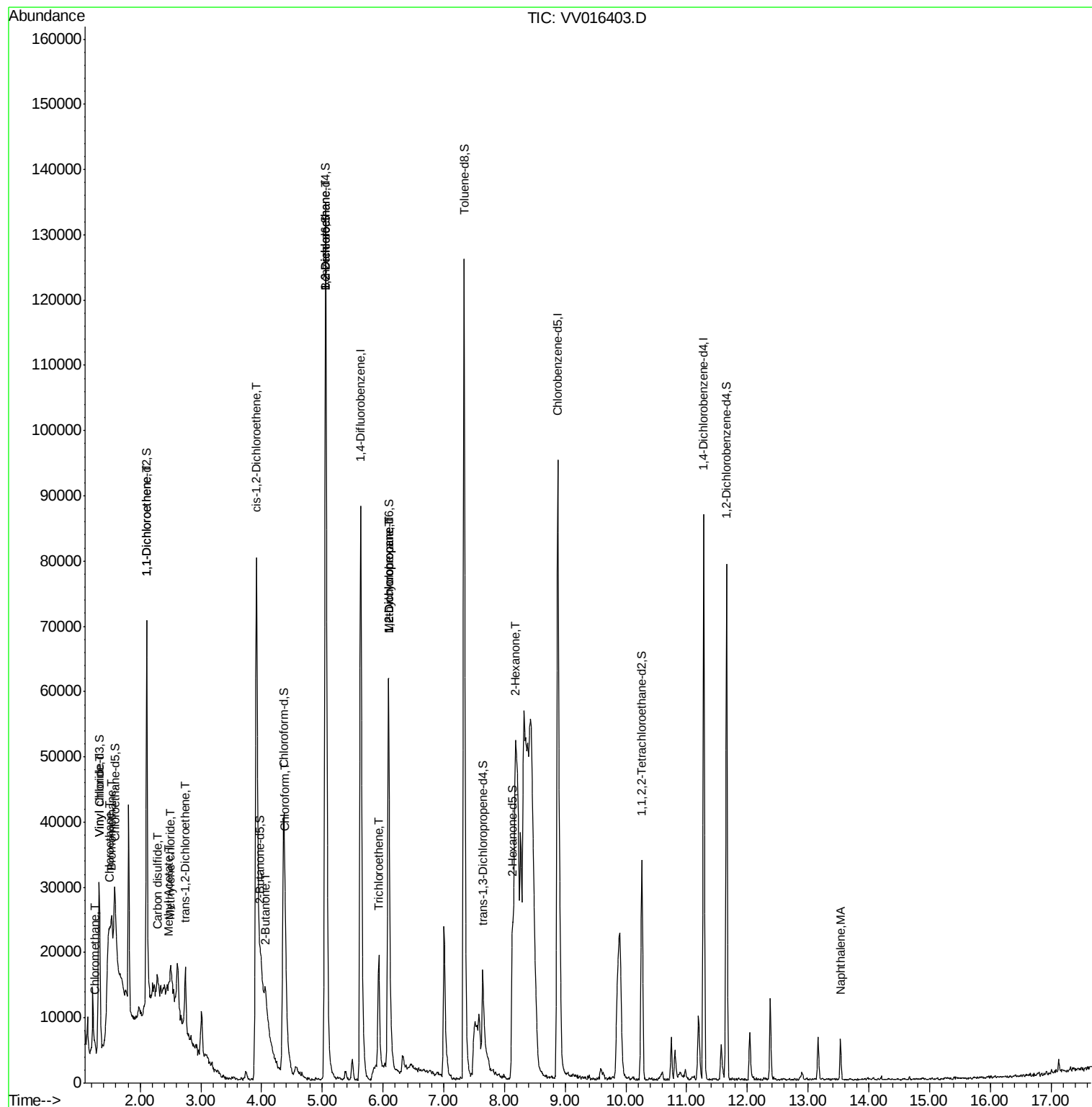
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
70) Naphthalene	13.53	128	4967	0.498	ug/L	99

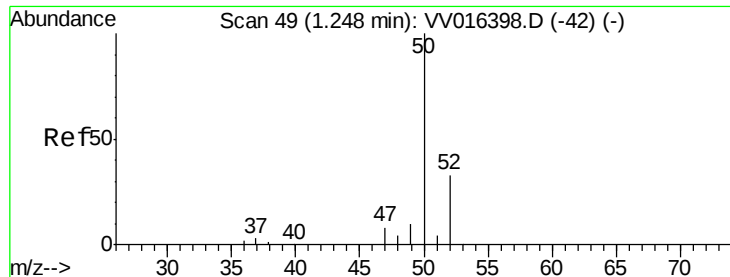
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.119 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV016403.D

Acq: 01 Jun 2020 11:37

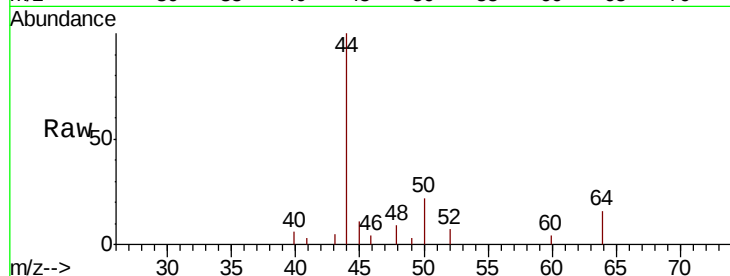
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 50 Resp: 992

Ion Ratio Lower Upper

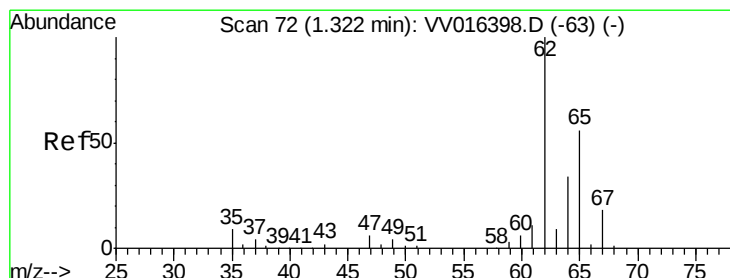
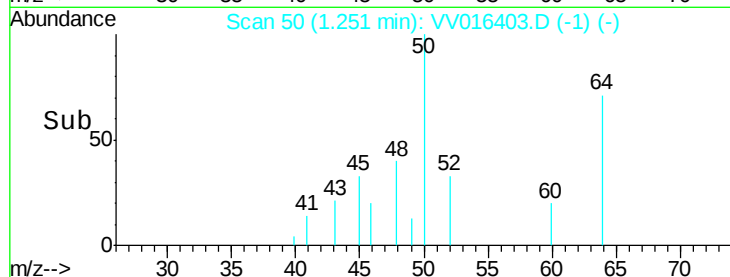
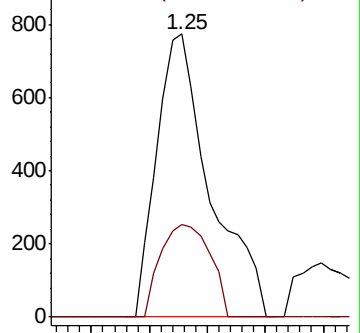
50 100

52 32.6 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: 0.377 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV016403.D

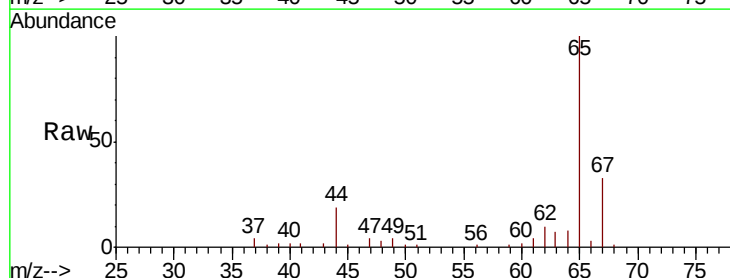
Acq: 01 Jun 2020 11:37

Tgt Ion: 62 Resp: 2809

Ion Ratio Lower Upper

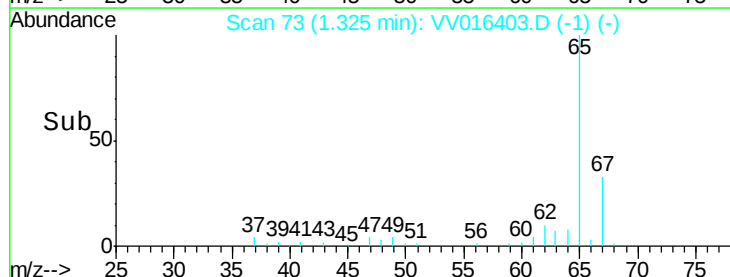
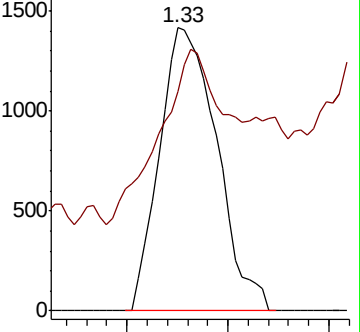
62 100

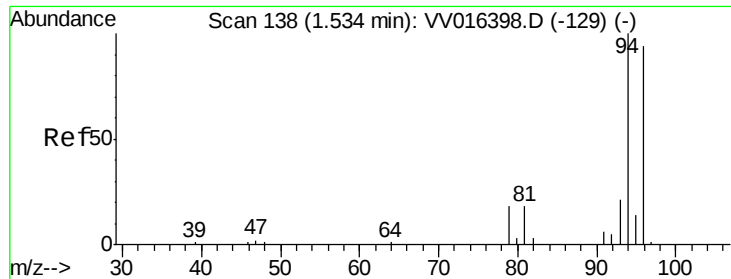
64 77.6 23.1 42.9#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

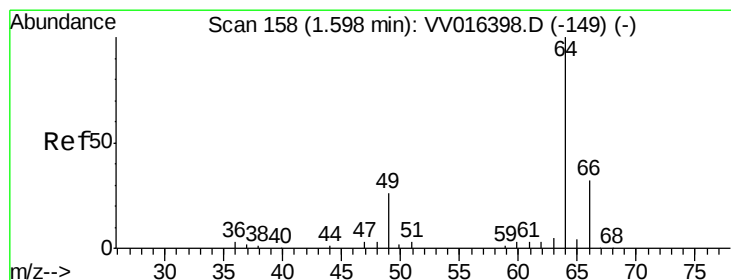
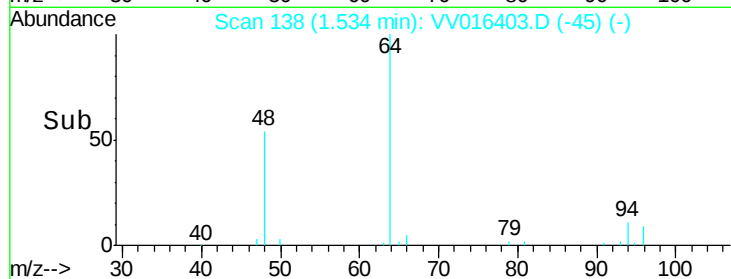
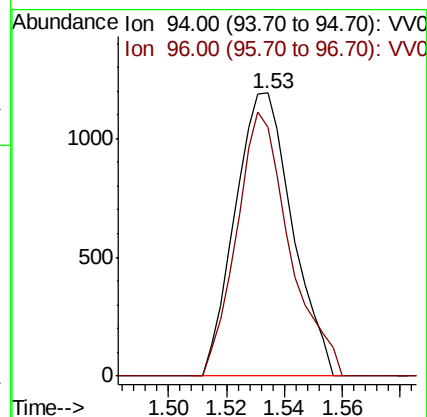
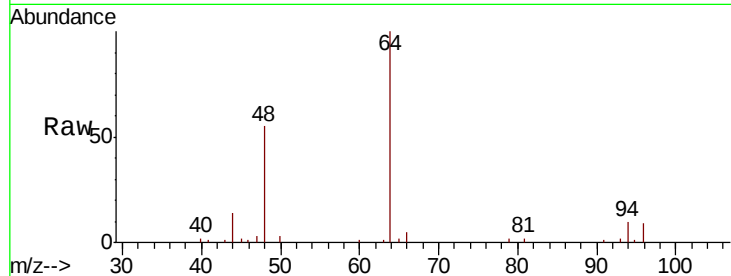




#6
 Bromomethane
 Concen: 0.389 ug/L
 RT: 1.53 min Scan# 138
 Delta R.T. 0.00 min
 Lab File: VV016403.D
 Acq: 01 Jun 2020 11:37

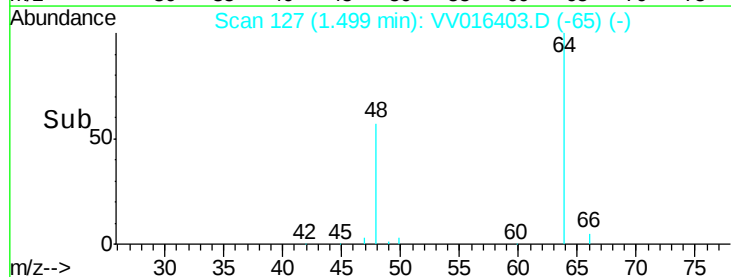
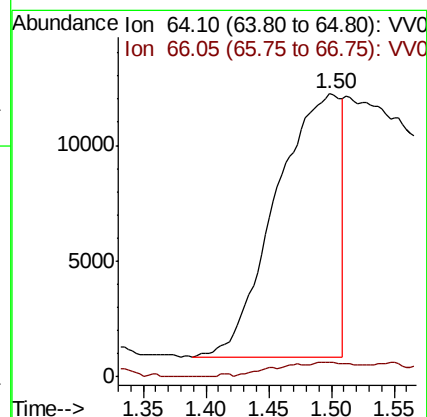
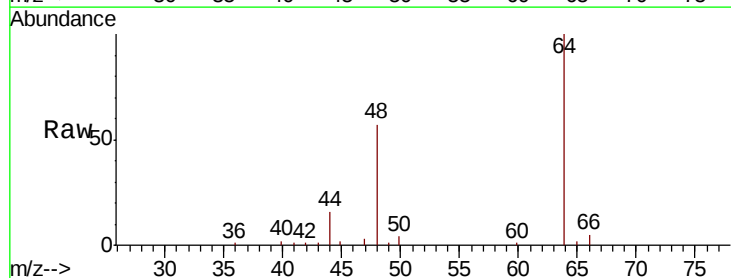
Instrument :
 MSVOA_V
 ClientSampled :

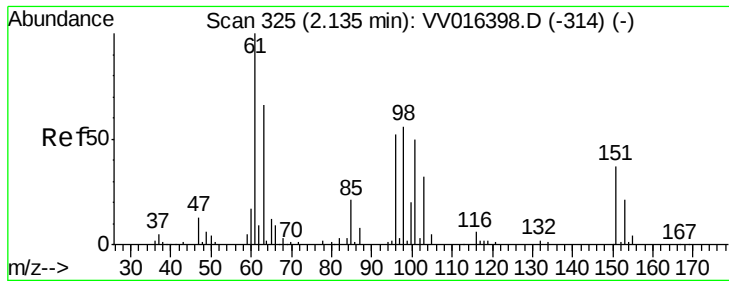
Tot Ion: 94 Resp: 1626
 Ion Ratio Lower Upper
 94 100
 96 88.0 67.0 124.4



#8
 Chloroethane
 Concen: 9.058 ug/L
 RT: 1.50 min Scan# 127
 Delta R.T. -0.10 min
 Lab File: VV016403.D
 Acq: 01 Jun 2020 11:37

Tgt Ion: 64 Resp: 40612
 Ion Ratio Lower Upper
 64 100
 66 5.1 23.4 43.6#

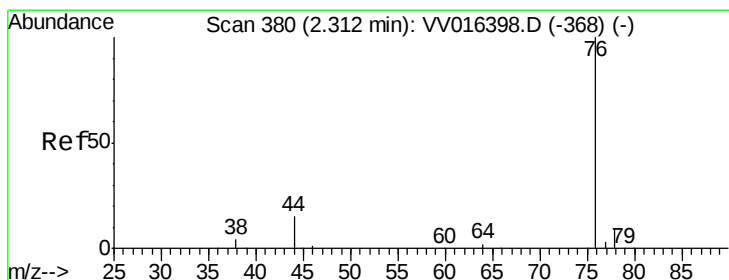
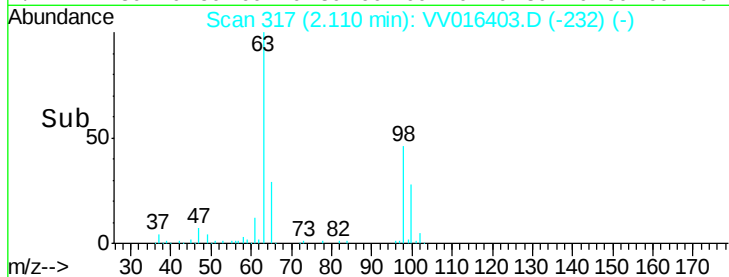
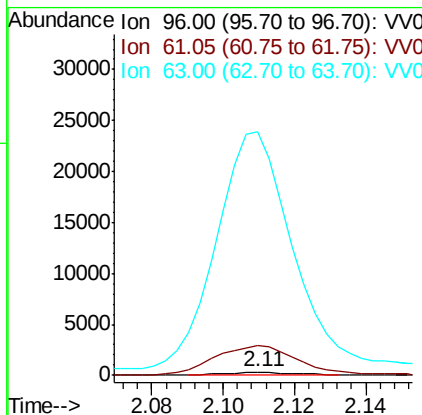
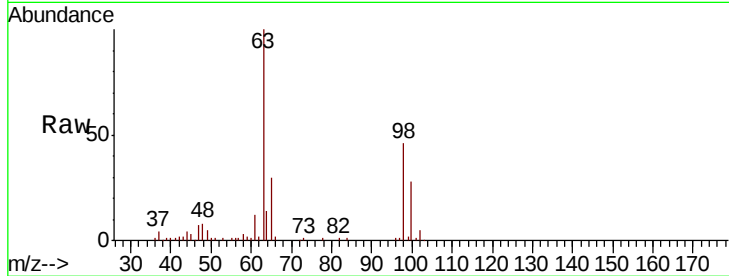




#12
 1,1-Dichloroethene
 Concen: 0.074 ug/L
 RT: 2.11 min Scan# 317
 Delta R.T. -0.03 min
 Lab File: VV016403.D
 Acq: 01 Jun 2020 11:37

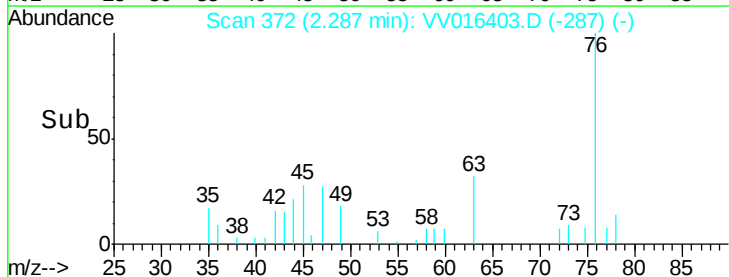
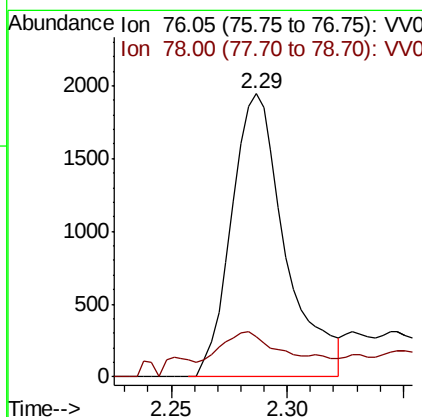
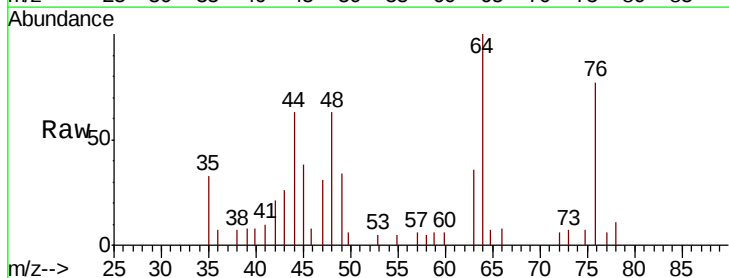
Instrument :
 MSVOA_V
 ClientSampleId :

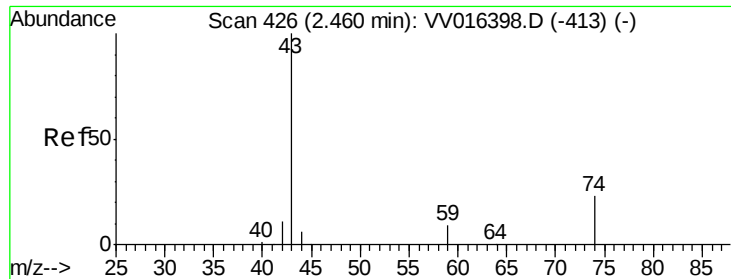
Tot Ion: 96 Resp: 400
 Ion Ratio Lower Upper
 96 100
 61 930.4 125.4 233.0#
 63 7559.5 88.2 163.8#



#14
 Carbon disulfide
 Concen: 0.192 ug/L
 RT: 2.29 min Scan# 372
 Delta R.T. -0.03 min
 Lab File: VV016403.D
 Acq: 01 Jun 2020 11:37

Tgt Ion: 76 Resp: 3141
 Ion Ratio Lower Upper
 76 100
 78 14.3 6.8 10.2#

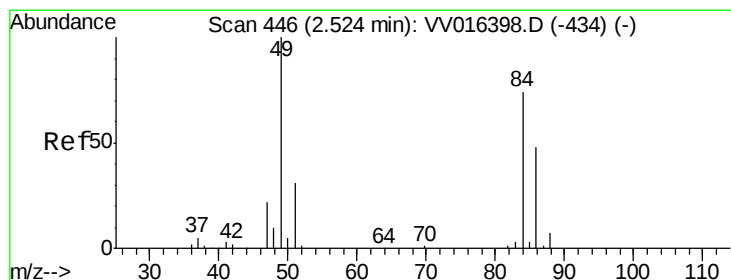
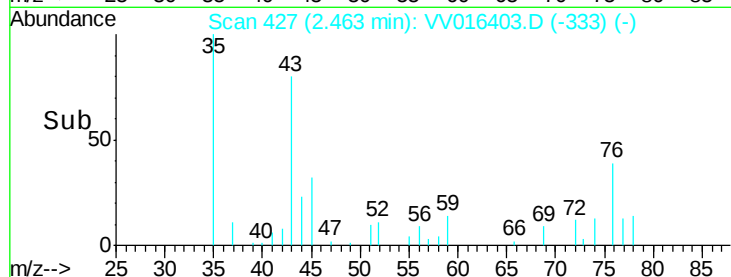
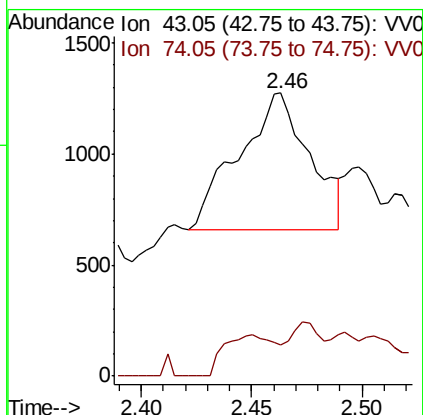
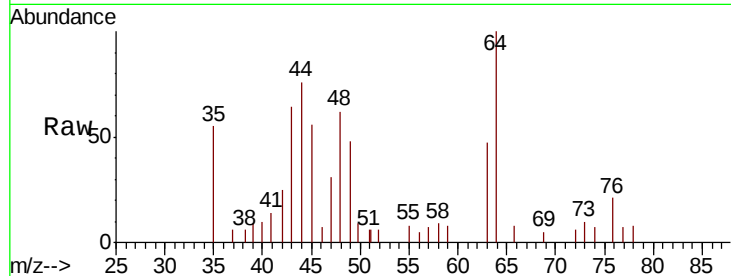




#15
Methyl Acetate
Concen: 0.516 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VV016403.D
Acq: 01 Jun 2020 11:37

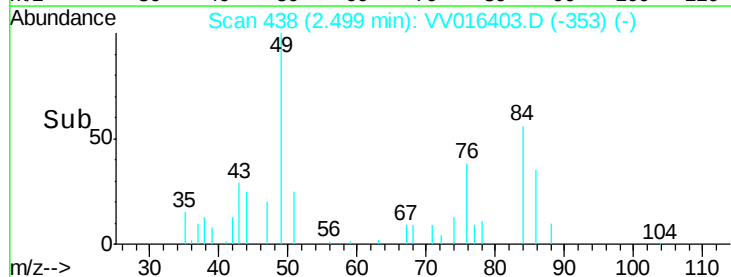
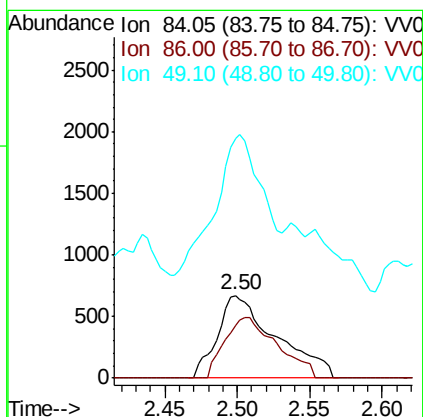
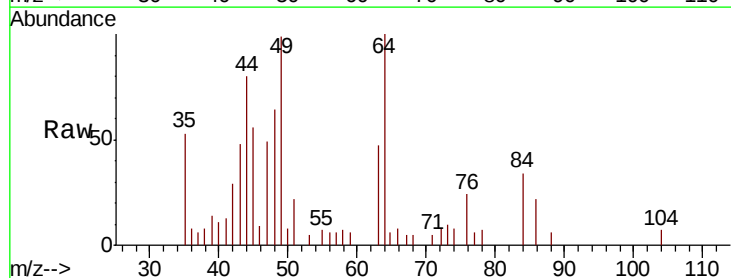
Instrument :
MSVOA_V
ClientSampled :

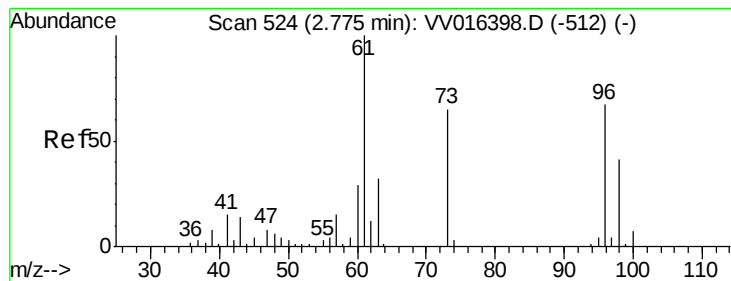
Tot Ion: 43 Resp: 1373
Ion Ratio Lower Upper
43 100
74 7.1 18.6 28.0#



#16
Methylene chloride
Concen: 0.328 ug/L
RT: 2.50 min Scan# 438
Delta R.T. -0.03 min
Lab File: VV016403.D
Acq: 01 Jun 2020 11:37

Tgt Ion: 84 Resp: 1884
Ion Ratio Lower Upper
84 100
86 63.8 44.5 82.7
49 290.2 92.3 171.3#





#18

trans-1,2-Dichloroethene

Concen: 0.516 ug/L

RT: 2.74 min Scan# 514

Delta R.T. -0.03 min

Lab File: VV016403.D

Acq: 01 Jun 2020 11:37

Instrument :

MSVOA_V

ClientSampleId :

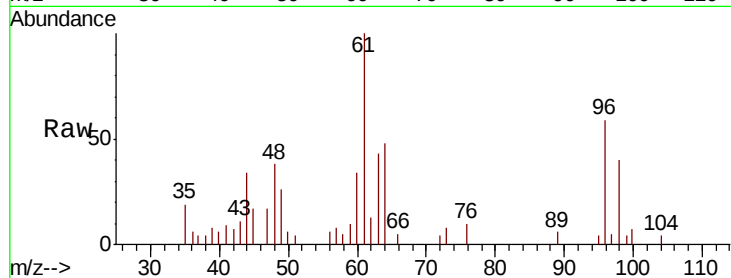
Tot Ion: 96 Resp: 2939

Ion Ratio Lower Upper

96 100

61 169.4 103.1 191.5

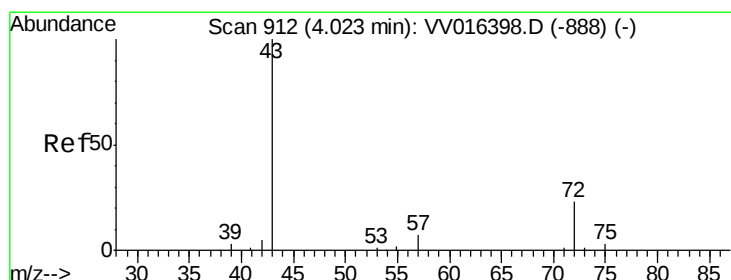
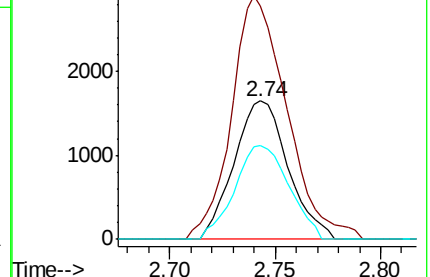
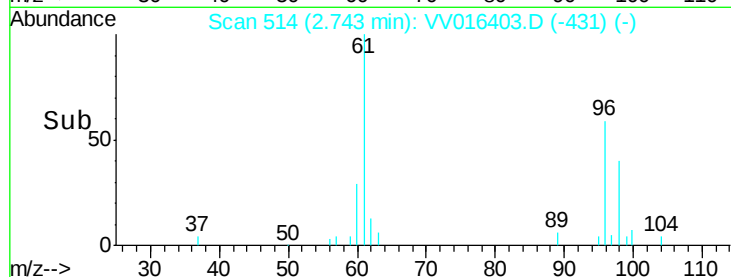
98 67.7 43.0 79.8



Abundance Ion 96.00 (95.70 to 96.70): VV016403.D (-431) (-)

Ion 61.05 (60.75 to 61.75): VV016403.D (-431) (-)

Ion 97.95 (97.65 to 98.65): VV016403.D (-431) (-)



#21

2-Butanone

Concen: 16.428 ug/L

RT: 4.07 min Scan# 927

Delta R.T. 0.05 min

Lab File: VV016403.D

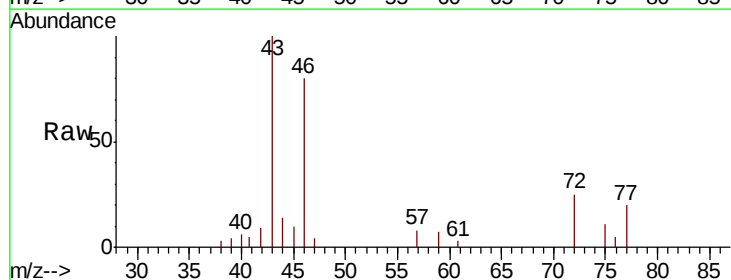
Acq: 01 Jun 2020 11:37

Tgt Ion: 43 Resp: 25677

Ion Ratio Lower Upper

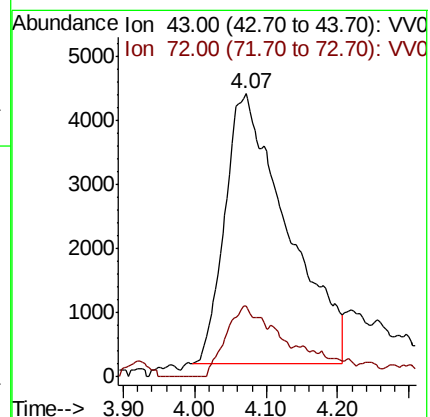
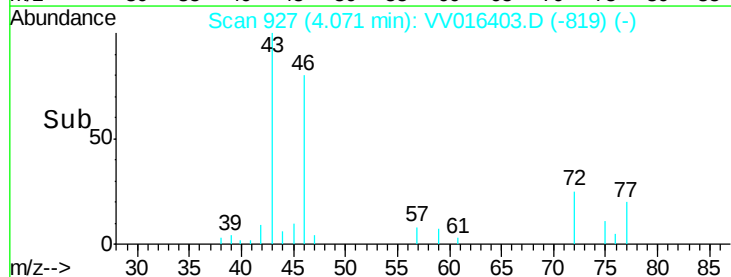
43 100

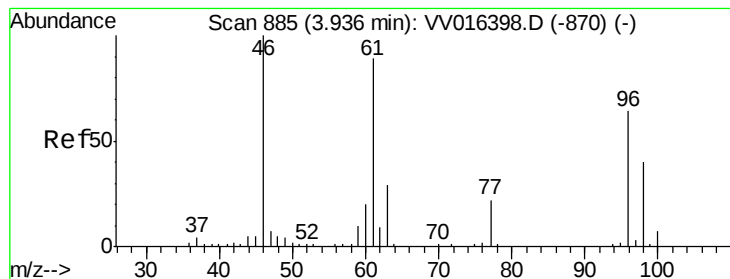
72 15.3 11.2 33.6



Abundance Ion 43.00 (42.70 to 43.70): VV016403.D (-819) (-)

Ion 72.00 (71.70 to 72.70): VV016403.D (-819) (-)



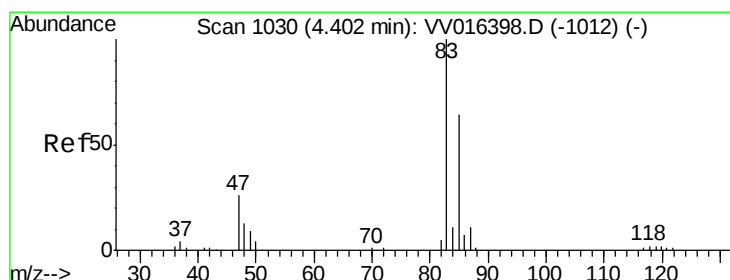
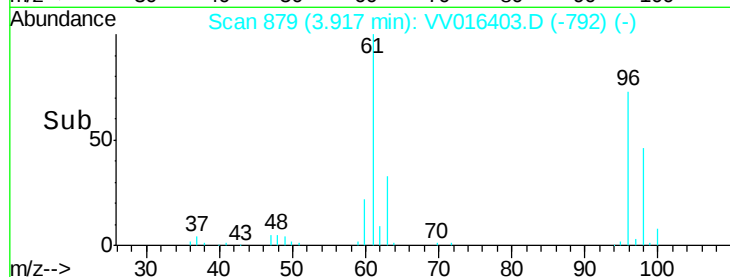
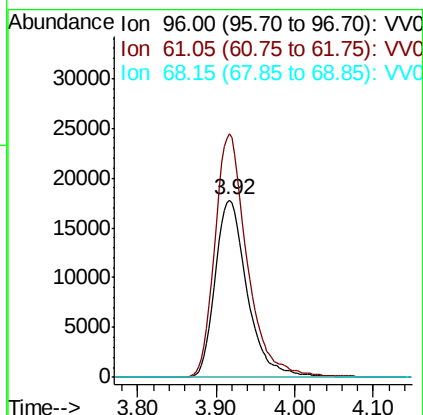
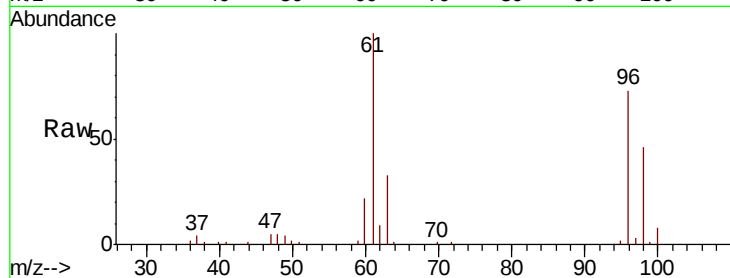


#22

cis-1,2-Dichloroethene
Concen: 7.974 ug/L
RT: 3.92 min Scan# 879
Delta R.T. -0.02 min
Lab File: VV016403.D
Acq: 01 Jun 2020 11:37

Instrument :
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ClientSampleId :

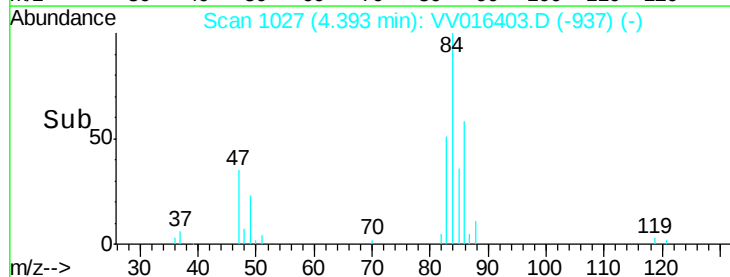
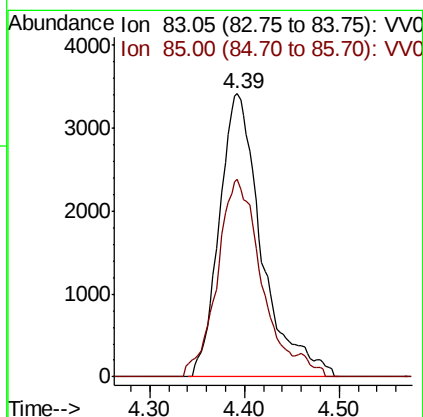
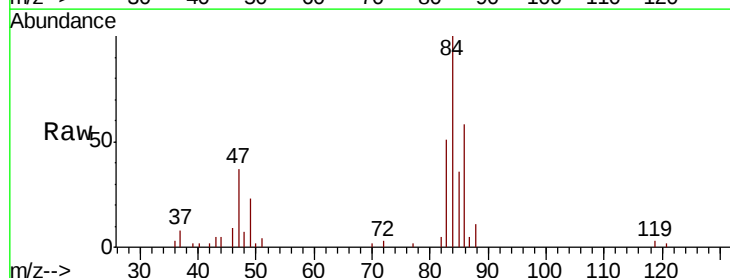
Tot Ion	96	Resp	50158
Ion	Ratio	Lower	Upper
96	100		
61	137.3	94.8	176.0
68	0.0	0.0	0.0

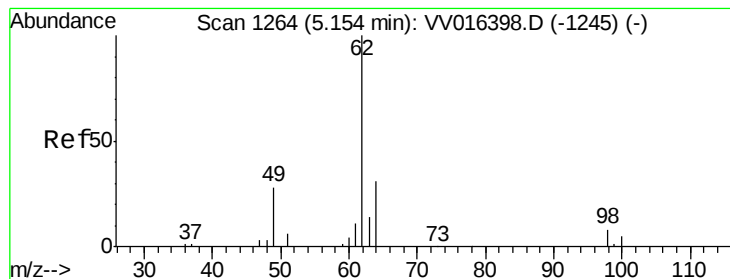


#25

Chloroform
Concen: 0.943 ug/L
RT: 4.39 min Scan# 1027
Delta R.T. -0.01 min
Lab File: VV016403.D
Acq: 01 Jun 2020 11:37

Tgt Ion	83	Resp	10628
Ion	Ratio	Lower	Upper
83	100		
85	69.9	45.8	85.2





#27

1,2-Dichloroethane

Concen: 0.098 ug/L

RT: 5.05 min Scan# 1231

Delta R.T. -0.11 min

Lab File: VV016403.D

Acq: 01 Jun 2020 11:37

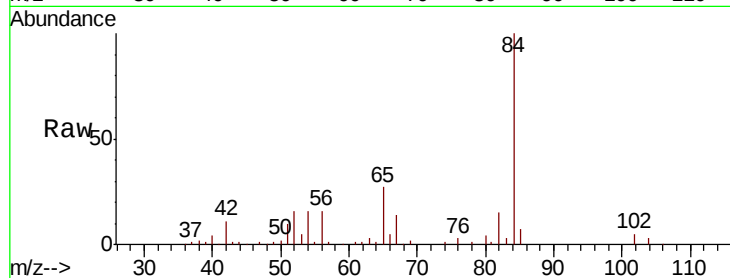
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 62 Resp: 726

Ion Ratio Lower Upper

62 100

98 0.0 7.0 10.4#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.05 (97.75 to 98.75): VV0

5.05

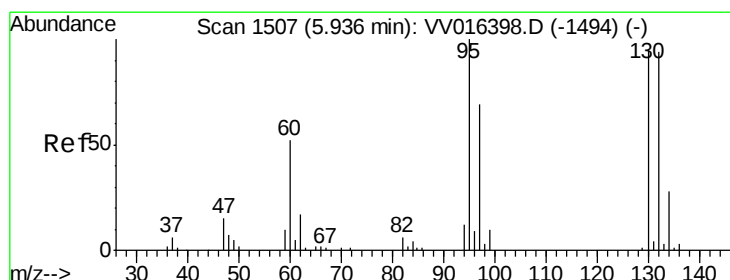
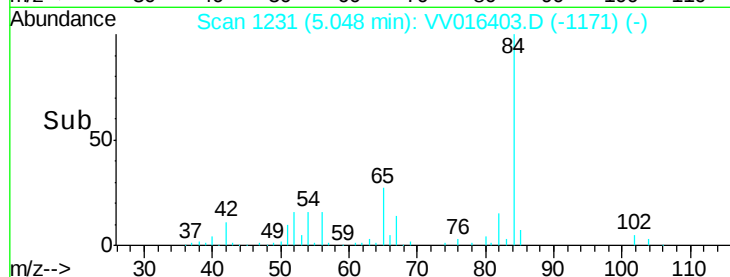
300

200

100

0

Time--> 5.00 5.05 5.10



#34

Trichloroethene

Concen: 1.121 ug/L

RT: 5.93 min Scan# 1504

Delta R.T. -0.01 min

Lab File: VV016403.D

Acq: 01 Jun 2020 11:37

Tgt Ion: 95 Resp: 6260

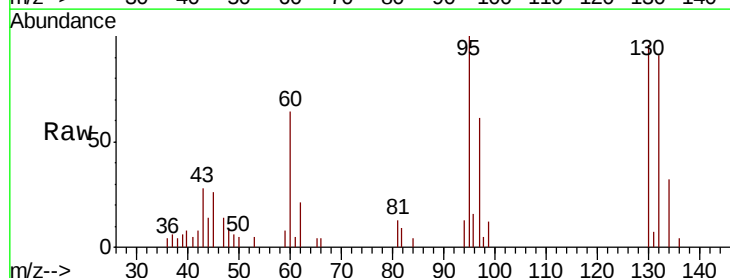
Ion Ratio Lower Upper

95 100

97 60.6 42.6 79.0

132 91.0 59.6 110.8

130 96.1 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

4000

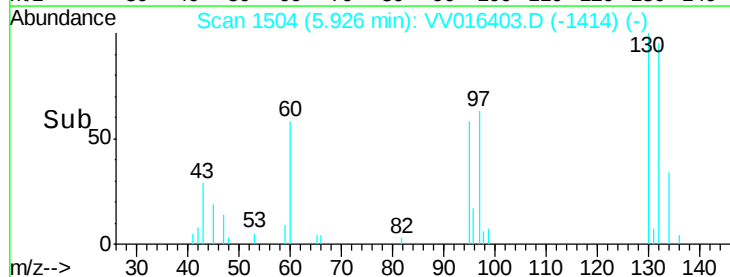
3000

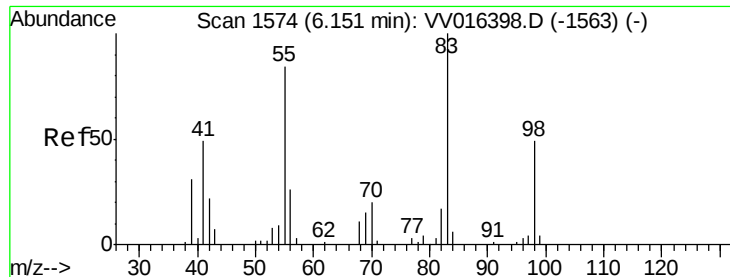
2000

1000

0

Time--> 5.85 5.90 5.95 6.00

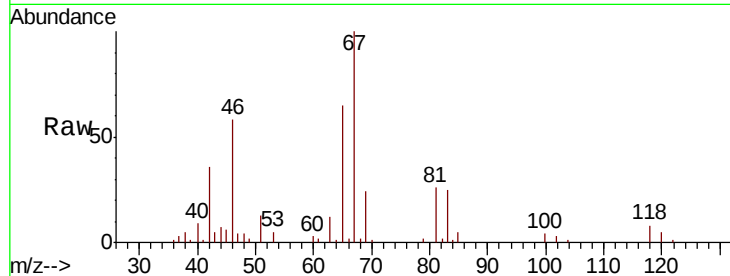




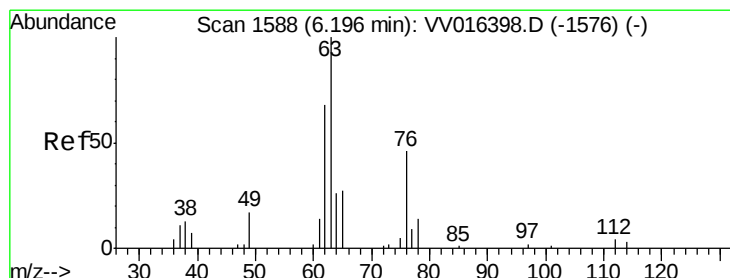
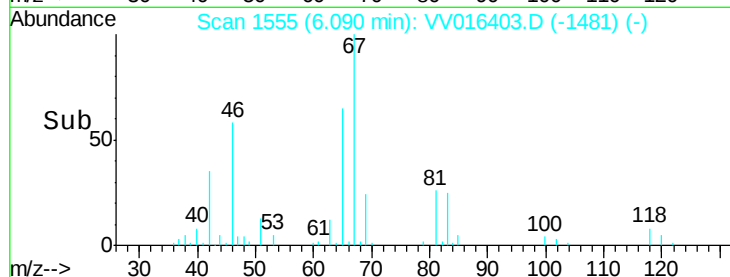
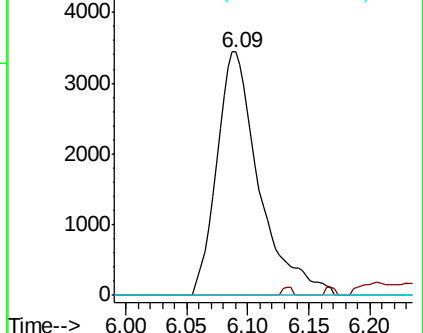
#35
Methvlcvclohexane
Concen: 0.927 ug/L
RT: 6.09 min Scan# 1555
Delta R.T. -0.06 min
Lab File: VV016403.D
Acq: 01 Jun 2020 11:37

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 8342
Ion Ratio Lower Upper
83 100
55 0.8 67.0 100.4#
98 0.9 39.0 58.4#

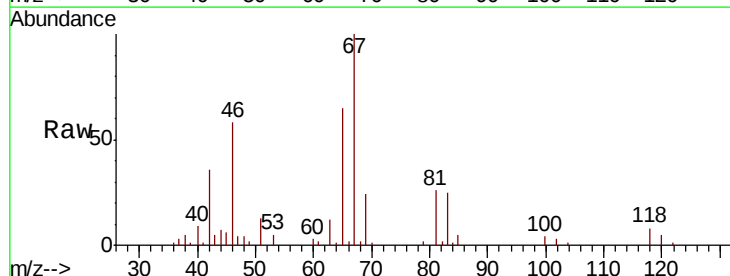


Abundance Ion 83.15 (82.85 to 83.85): VV0
Ion 55.10 (54.80 to 55.80): VV0
Ion 98.15 (97.85 to 98.85): VV0

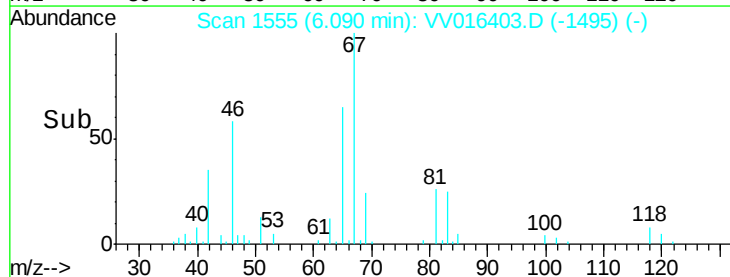
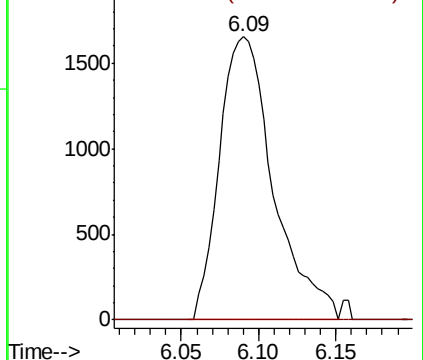


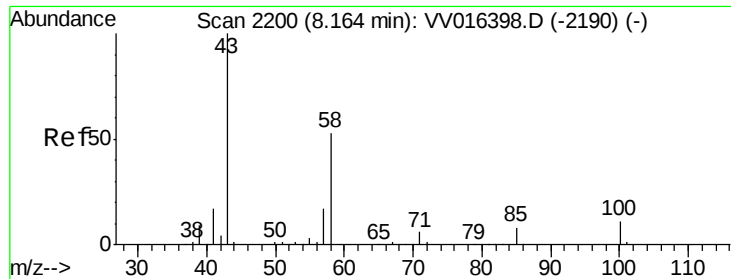
#37
1,2-Dichloropropane
Concen: 0.746 ug/L
RT: 6.09 min Scan# 1555
Delta R.T. -0.11 min
Lab File: VV016403.D
Acq: 01 Jun 2020 11:37

Tgt Ion: 63 Resp: 4019
Ion Ratio Lower Upper
63 100
112 0.0 3.4 5.0#



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

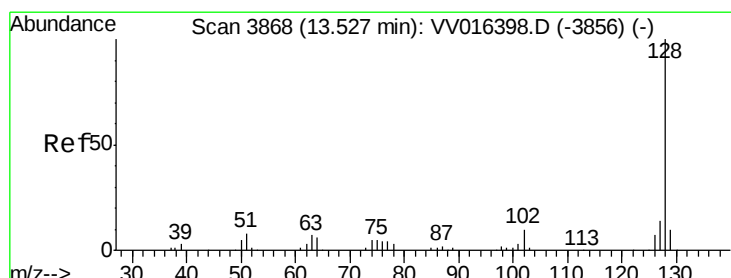
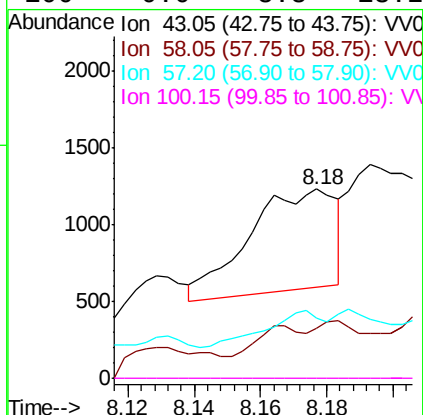
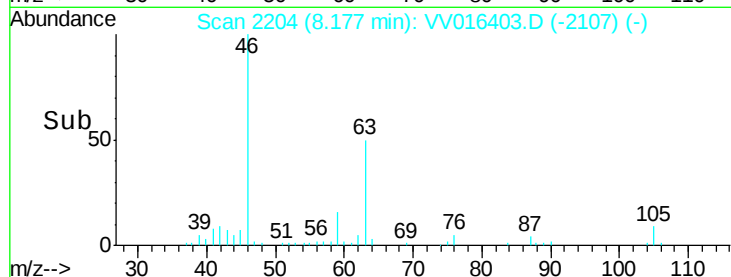
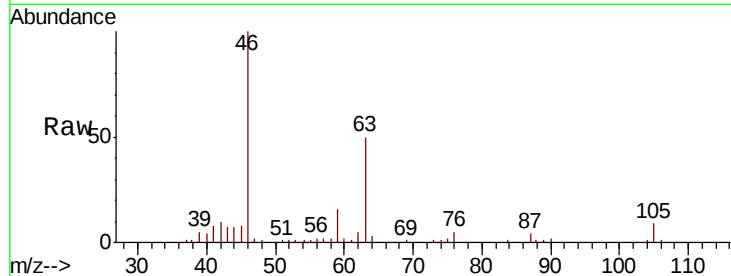




#50
2-Hexanone
Concen: 0.531 ug/L
RT: 8.18 min Scan# 2204
Delta R.T. 0.01 min
Lab File: VV016403.D
Acq: 01 Jun 2020 11:37

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 1204
Ion Ratio Lower Upper
43 100
58 16.0 41.1 61.7#
57 24.4 14.2 21.4#
100 0.0 8.8 13.2#



#70
Naphthalene
Concen: 0.498 ug/L
RT: 13.53 min Scan# 3870
Delta R.T. 0.01 min
Lab File: VV016403.D
Acq: 01 Jun 2020 11:37

Tgt Ion: 128 Resp: 4967
Ion Ratio Lower Upper
128 100
129 10.6 8.6 12.8
127 13.1 10.7 16.1

