

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052920\
 Data File : VV016333.D
 Acq On : 30 May 2020 00:40
 Operator : SY/MD
 Sample : L2826-06
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 30 03:09:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat May 30 03:05:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	85404	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	76023	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	27177	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	28454	5.19	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	103.80%
7) Chloroethane-d5	1.58	69	21283	4.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.40%
11) 1,1-Dichloroethene-d2	2.12	63	38954	3.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.60%
20) 2-Butanone-d5	3.93	46	67505	49.62	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.24%
24) Chloroform-d	4.38	84	51468	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.20%
26) 1,2-Dichloroethane-d4	5.06	65	27763	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.00%
32) Benzene-d6	5.08	84	100012	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.20%
36) 1,2-Dichloropropane-d6	6.10	67	29901	5.13	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.60%
41) Toluene-d8	7.34	98	91258	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.60%
45) trans-1,3-Dichloropropene-	7.64	79	11006	5.07	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.40%
48) 2-Hexanone-d5	8.12	63	51908	52.12	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	104.24%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	18667	4.33	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.60%
65) 1,2-Dichlorobenzene-d4	11.65	152	21566	4.75	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.25	50	1371	0.167	ug/L	85
5) Vinyl chloride	1.32	62	14207	1.900	ug/L #	1
8) Chloroethane	1.43	64	142337	34.061	ug/L #	51
12) 1,1-Dichloroethene	2.13	96	642	0.127	ug/L #	1
13) Acetone	2.21	43	3377	4.010	ug/L	88
14) Carbon disulfide	2.31	76	5662	0.363	ug/L	98
15) Methyl Acetate	2.45	43	56057	26.048	ug/L	96
16) Methylene chloride	2.52	84	1522	0.264	ug/L	93
18) trans-1,2-Dichloroethene	2.78	96	28373	5.147	ug/L	98
19) 1,1-Dichloroethane	3.21	63	1385	0.132	ug/L #	77
21) 2-Butanone	4.03	43	8014	5.349	ug/L	92
22) cis-1,2-Dichloroethene	3.94	96	56541	8.672	ug/L	96
25) Chloroform	4.41	83	10561	0.953	ug/L	98
33) Benzene	5.13	78	1486	0.068	ug/L	100
34) Trichloroethene	5.94	95	11821	2.074	ug/L	95
37) 1,2-Dichloropropane	6.10	63	3564	0.664	ug/L #	88
39) cis-1,3-Dichloropropene	7.00	75	927	0.122	ug/L #	72

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ClientSampleId :

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat May 30 03:05:25 2020
Response via : Initial Calibration

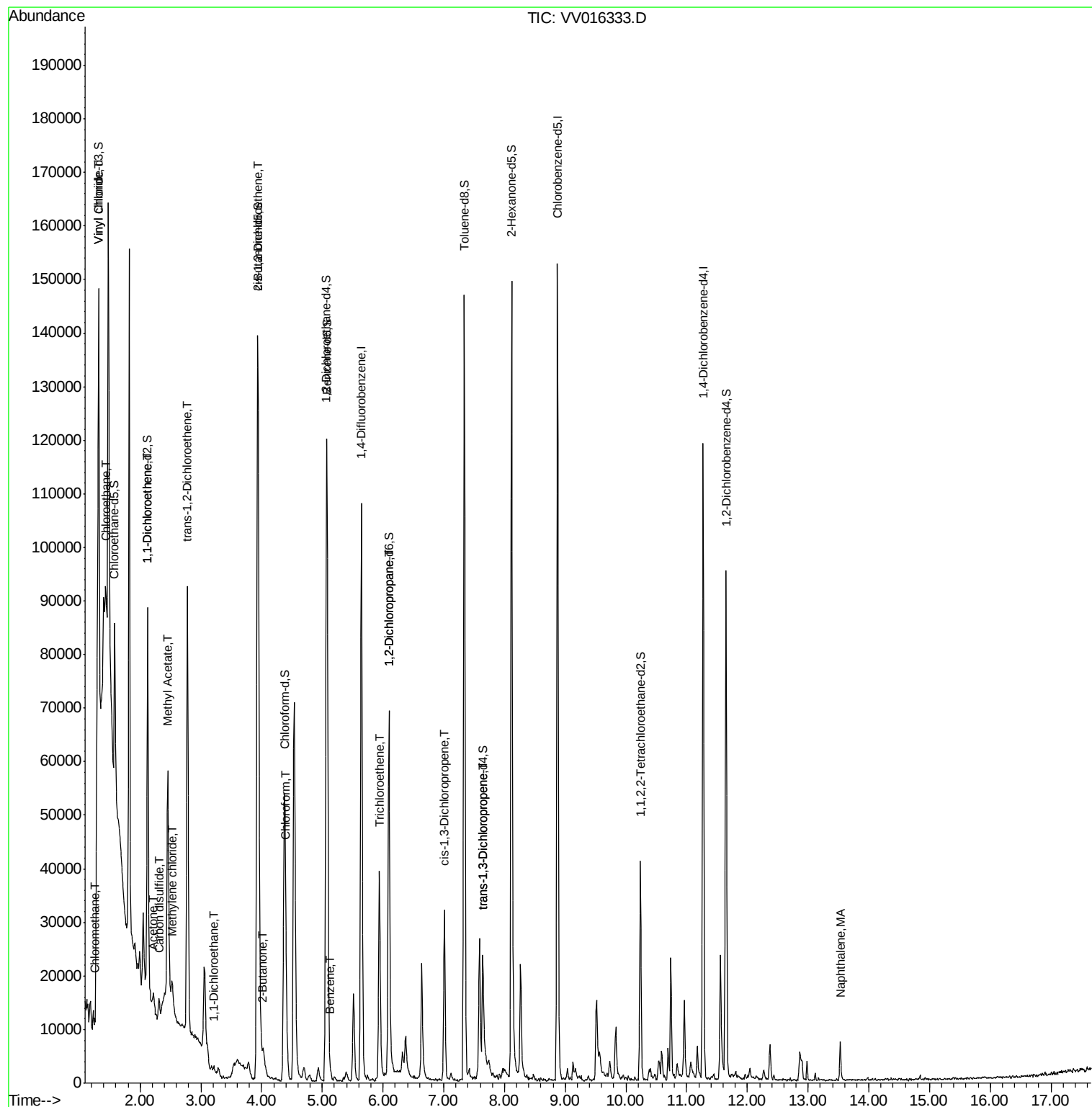
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) trans-1,3-Dichloropropene	7.64	75	595	0.094	ug/L #	62
70) Naphthalene	13.53	128	5860	0.520	ug/L	98

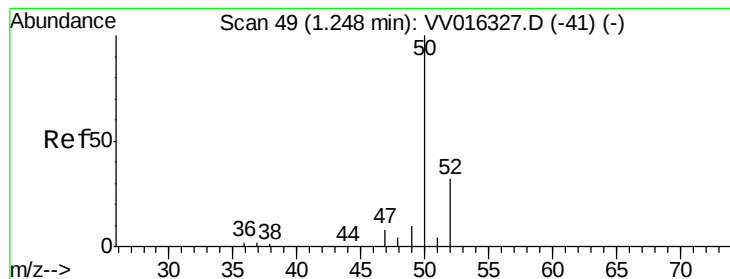
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.167 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV016333.D

Acq: 30 May 2020 00:40

Instrument :

MSVOA_V

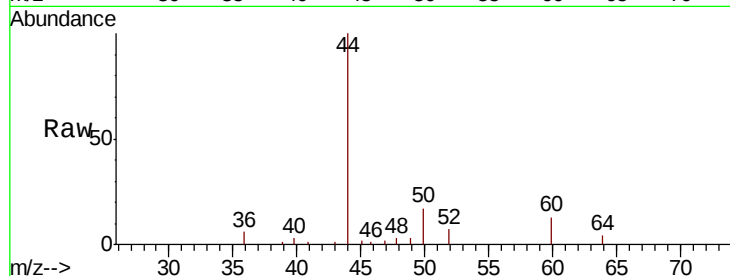
ClientSampled :

Tot Ion: 50 Resp: 1371

Ion Ratio Lower Upper

50 100

52 40.8 22.5 41.9



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0

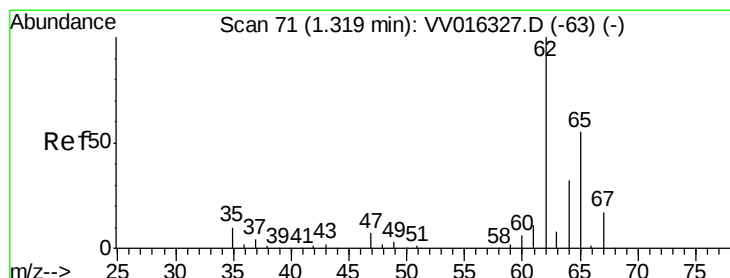
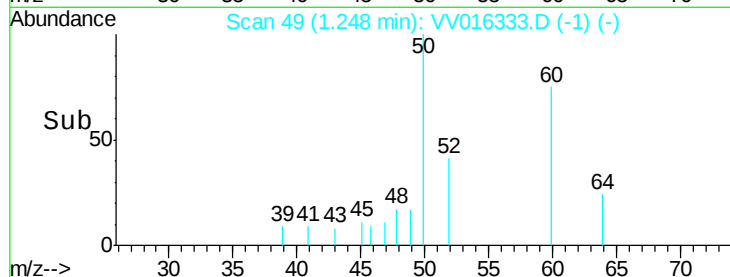
1.25

1000

500

0

Time-->



#5

Vinyl chloride

Concen: 1.900 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV016333.D

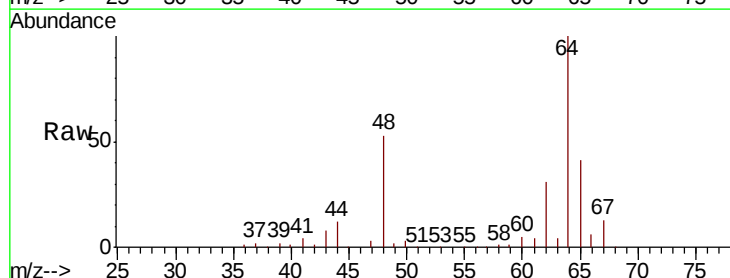
Acq: 30 May 2020 00:40

Tgt Ion: 62 Resp: 14207

Ion Ratio Lower Upper

62 100

64 321.7 22.1 41.1#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

50000

40000

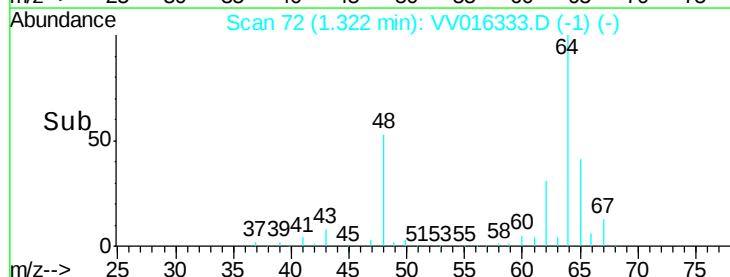
30000

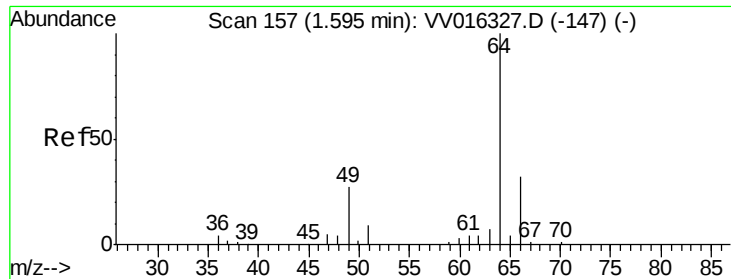
20000

10000

0

Time-->





#8

Chloroethane

Concen: 34.061 ug/L

RT: 1.43 min Scan# 106

Delta R.T. -0.16 min

Lab File: VV016333.D

Acq: 30 May 2020 00:40

Instrument :

MSVOA_V

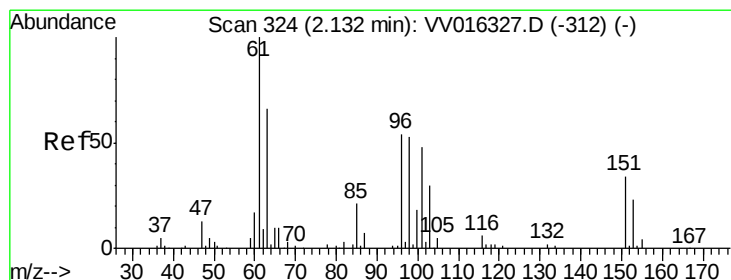
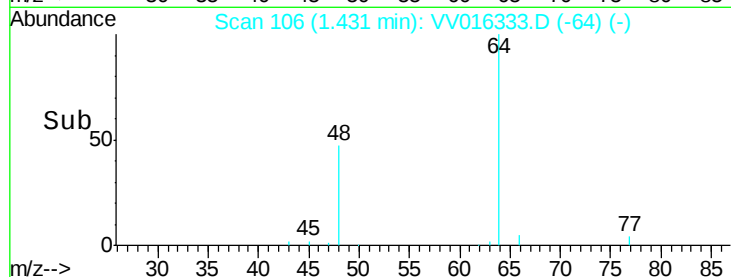
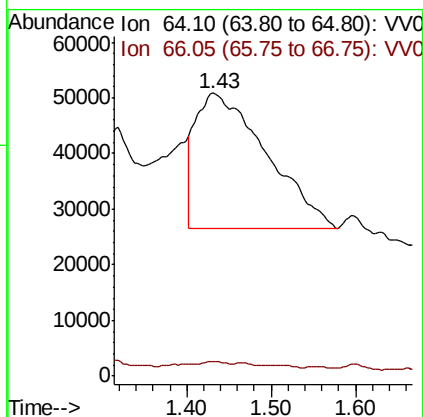
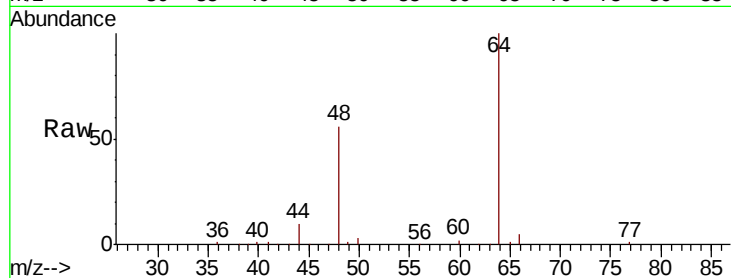
ClientSampled :

Tot Ion: 64 Resp: 142337

Ion Ratio Lower Upper

64 100

66 5.1 22.9 42.5#



#12

1,1-Dichloroethene

Concen: 0.127 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV016333.D

Acq: 30 May 2020 00:40

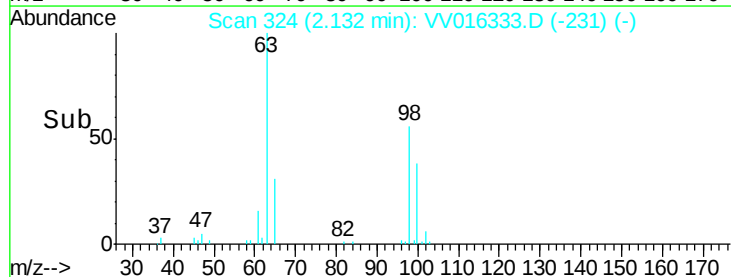
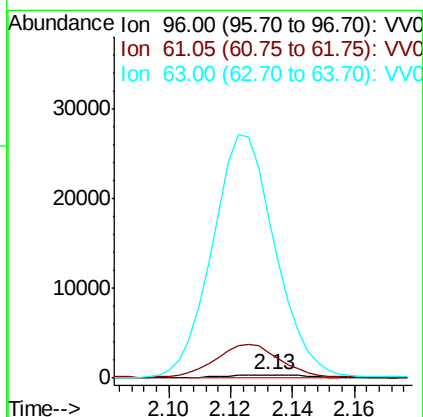
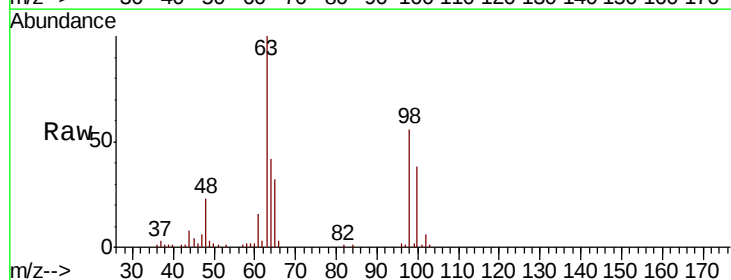
Tgt Ion: 96 Resp: 642

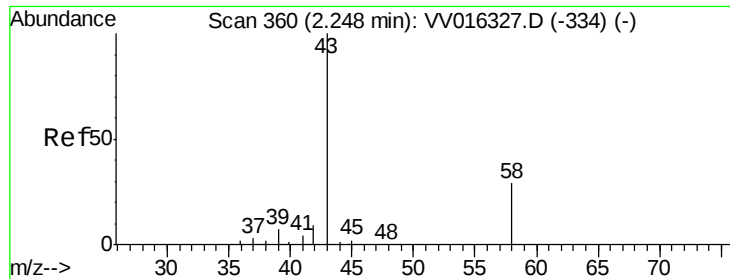
Ion Ratio Lower Upper

96 100

61 767.5 124.9 231.9#

63 4748.1 80.4 149.2#





#13

Acetone

Concen: 4.010 ug/L

RT: 2.21 min Scan# 347

Delta R.T. -0.04 min

Lab File: VV016333.D

Acq: 30 May 2020 00:40

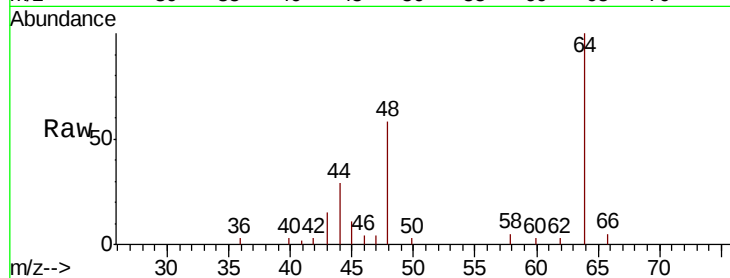
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 3377

Ion Ratio Lower Upper

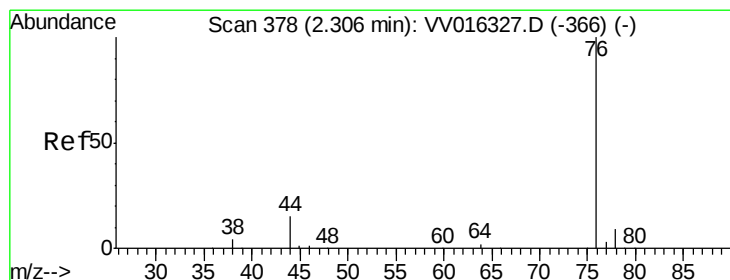
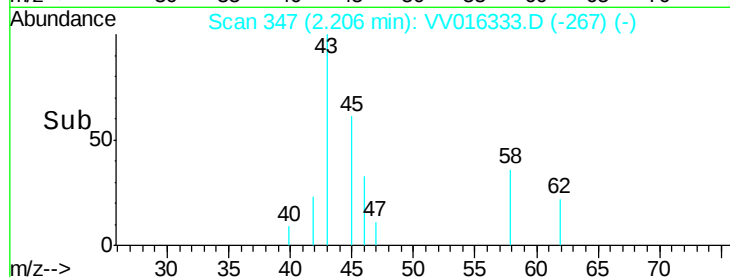
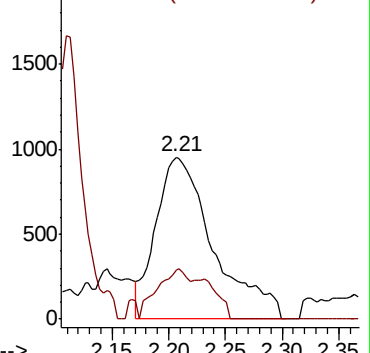
43 100

58 18.2 0.0 48.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#14

Carbon disulfide

Concen: 0.363 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.01 min

Lab File: VV016333.D

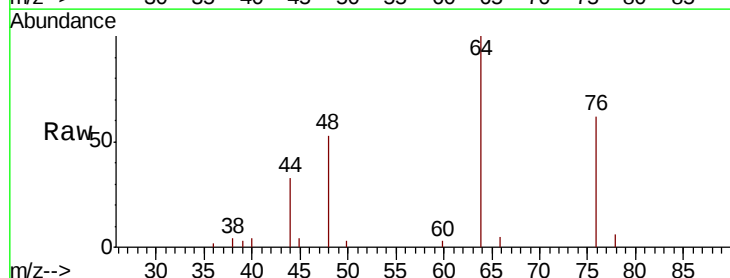
Acq: 30 May 2020 00:40

Tgt Ion: 76 Resp: 5662

Ion Ratio Lower Upper

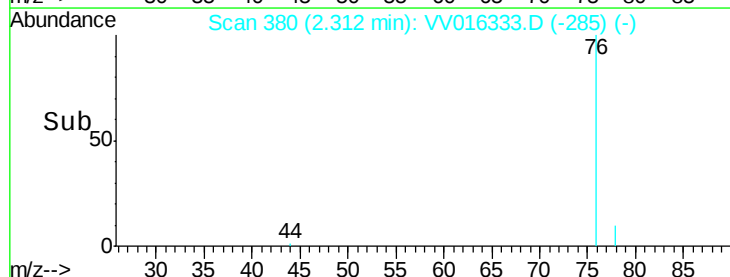
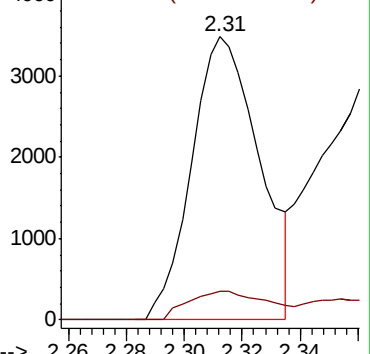
76 100

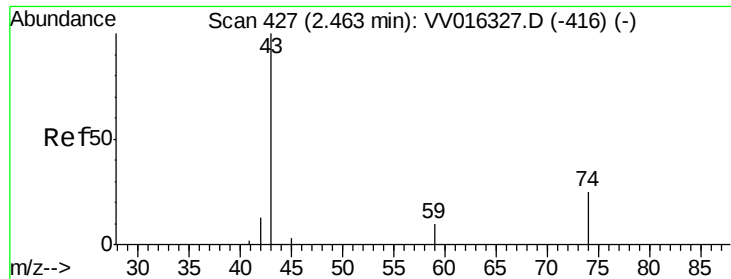
78 10.1 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0





#15

Methvl Acetate

Concen: 26.048 ug/L

RT: 2.45 min Scan# 424

Delta R.T. -0.01 min

Lab File: VV016333.D

Acq: 30 May 2020 00:40

Instrument :

MSVOA_V

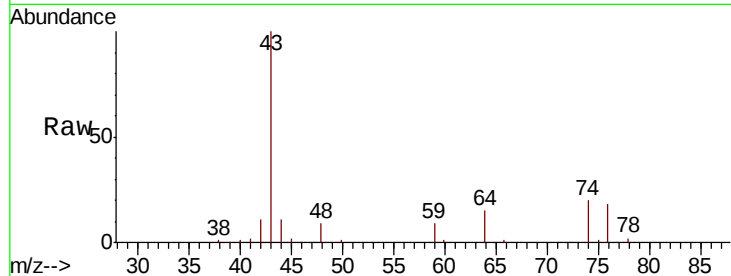
ClientSampleId :

Tot Ion: 43 Resp: 56057

Ion Ratio Lower Upper

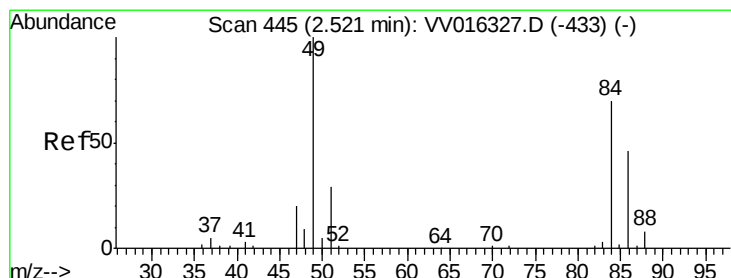
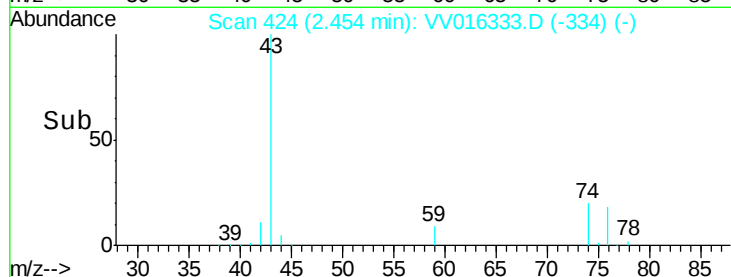
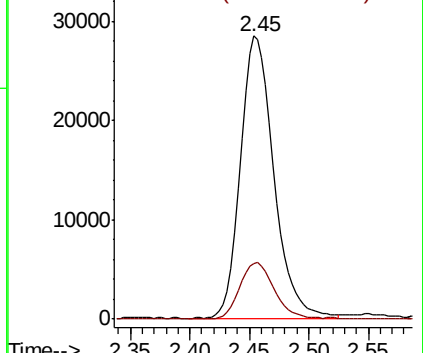
43 100

74 20.6 18.1 27.1



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 0.264 ug/L

RT: 2.52 min Scan# 446

Delta R.T. 0.00 min

Lab File: VV016333.D

Acq: 30 May 2020 00:40

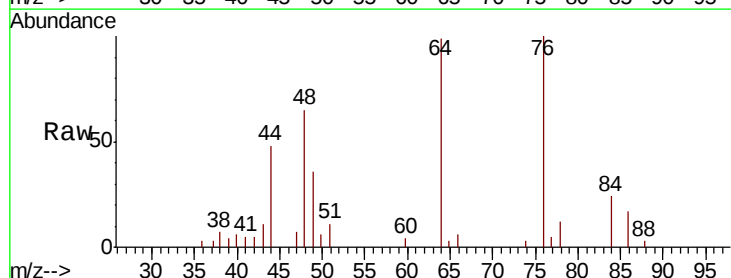
Tgt Ion: 84 Resp: 1522

Ion Ratio Lower Upper

84 100

86 70.1 44.9 83.5

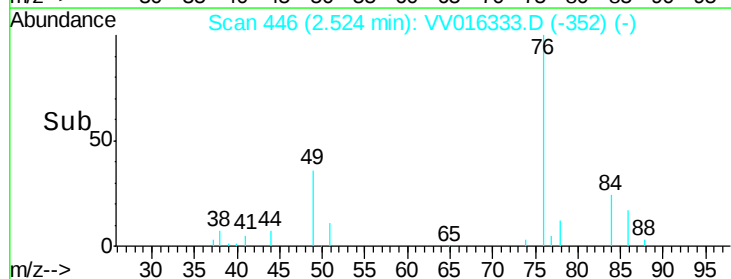
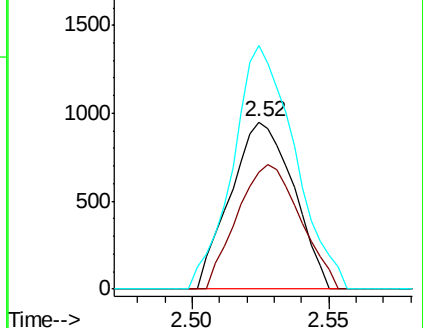
49 145.8 96.7 179.7

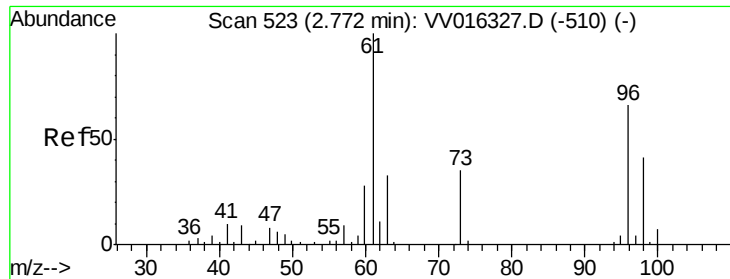


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

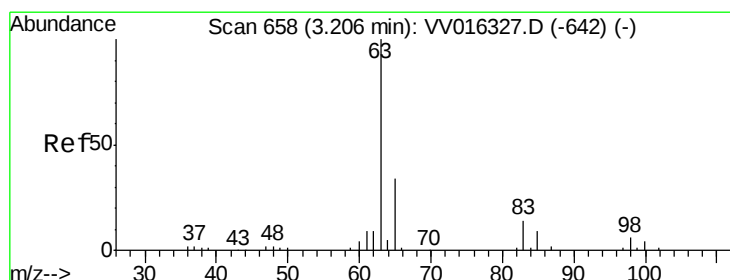
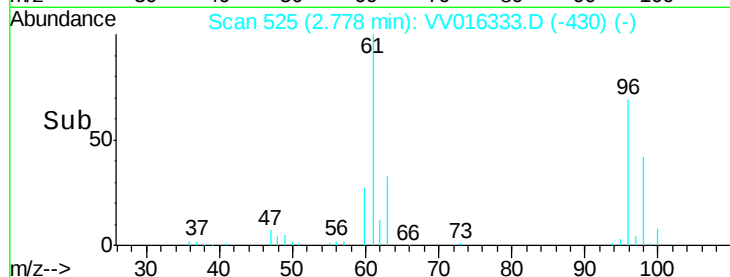
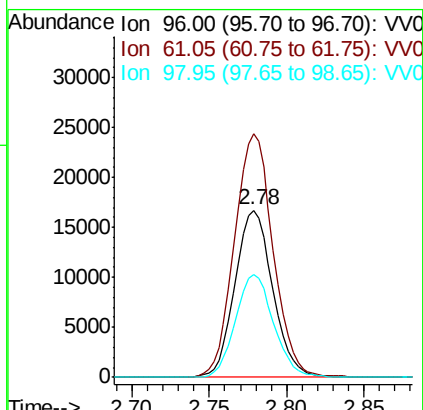
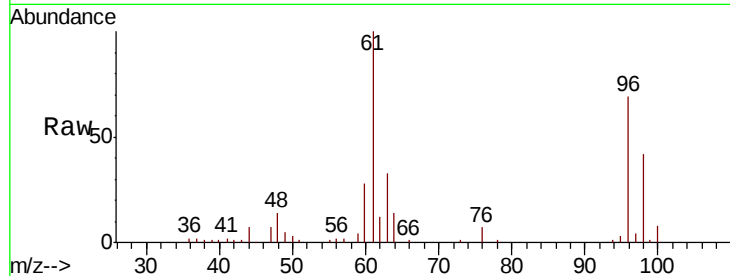




#18
trans-1,2-Dichloroethene
Concen: 5.147 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.01 min
Lab File: VV016333.D
Acq: 30 May 2020 00:40

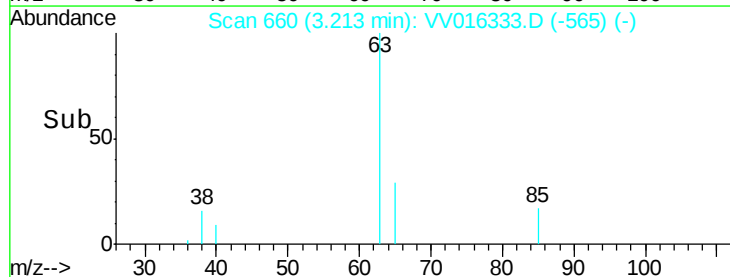
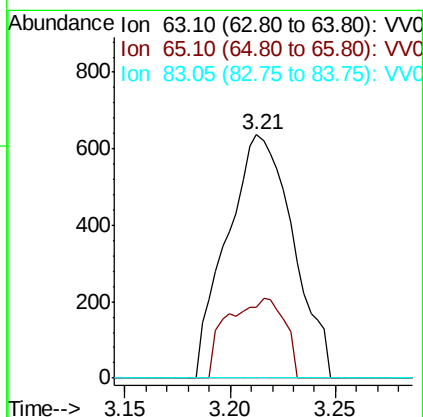
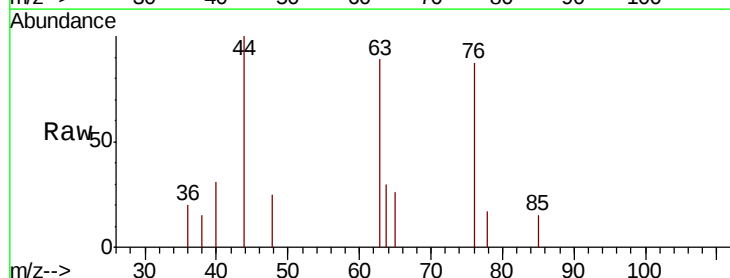
Instrument :
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ClientSampleId :

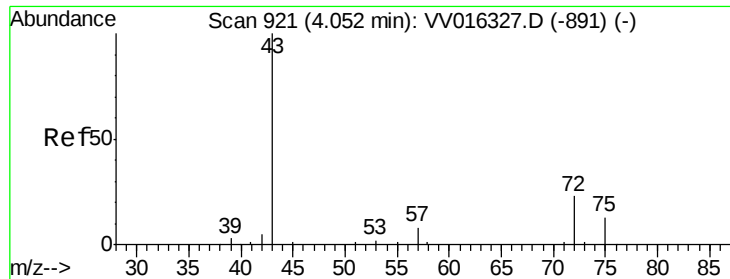
Tot Ion: 96 Resp: 28373
Ion Ratio Lower Upper
96 100
61 145.7 99.8 185.4
98 61.6 44.0 81.6



#19
1,1-Dichloroethane
Concen: 0.132 ug/L
RT: 3.21 min Scan# 660
Delta R.T. 0.01 min
Lab File: VV016333.D
Acq: 30 May 2020 00:40

Tgt Ion: 63 Resp: 1385
Ion Ratio Lower Upper
63 100
65 21.8 22.3 41.5#
83 0.0 9.4 17.4#





#21

2-Butanone

Concen: 5.349 ug/L

RT: 4.03 min Scan# 914

Delta R.T. -0.02 min

Lab File: VV016333.D

Acq: 30 May 2020 00:40

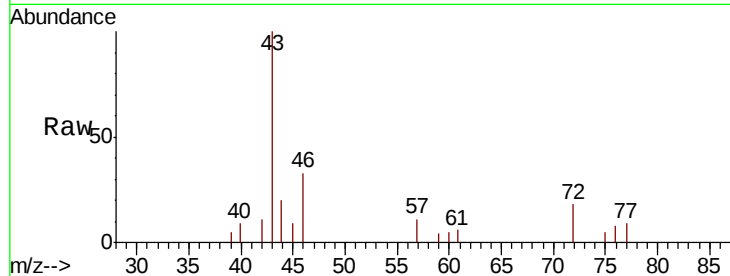
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 8014

Ion Ratio Lower Upper

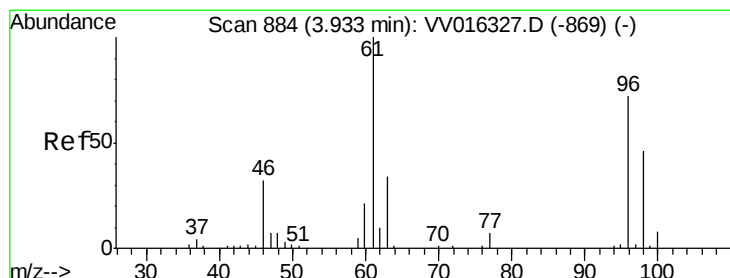
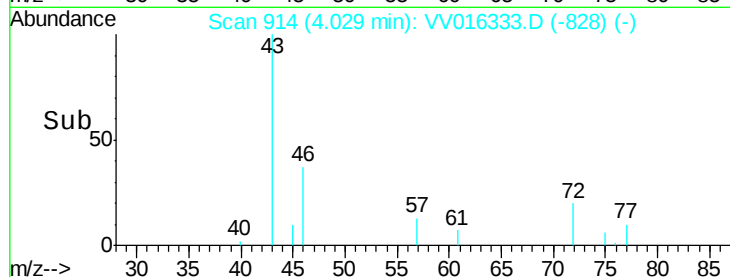
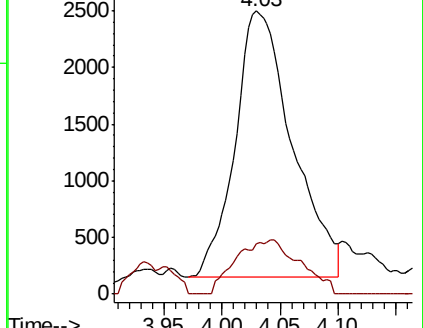
43 100

72 23.0 9.7 28.9



Abundance Ion 43.00 (42.70 to 43.70): VV016333.D (-828) (-)

Ion 72.00 (71.70 to 72.70): VV016333.D (-828) (-)



#22

cis-1,2-Dichloroethene

Concen: 8.672 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.01 min

Lab File: VV016333.D

Acq: 30 May 2020 00:40

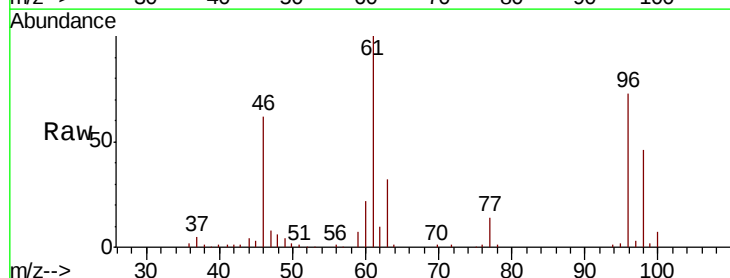
Tgt Ion: 96 Resp: 56541

Ion Ratio Lower Upper

96 100

61 137.8 99.7 185.1

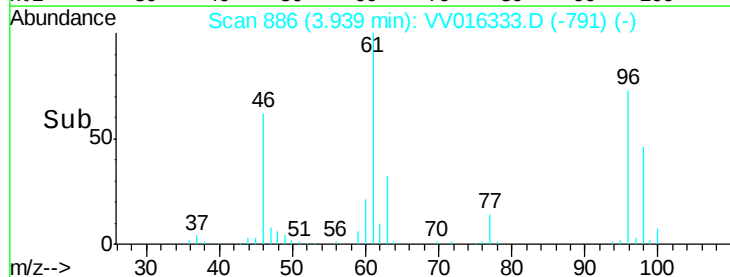
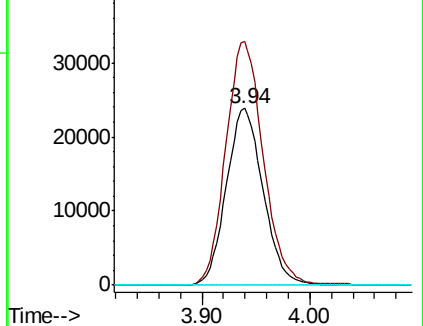
68 0.0 0.0 0.0

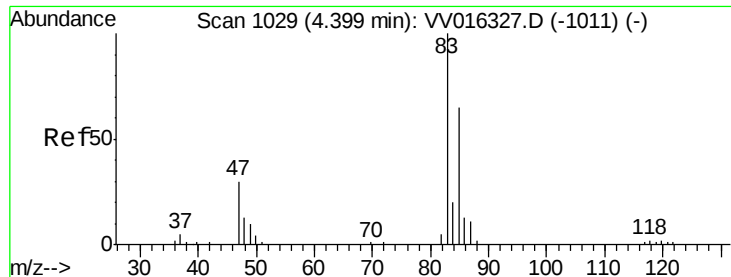


Abundance Ion 96.00 (95.70 to 96.70): VV016333.D (-791) (-)

Ion 61.05 (60.75 to 61.75): VV016333.D (-791) (-)

Ion 68.15 (67.85 to 68.85): VV016333.D (-791) (-)

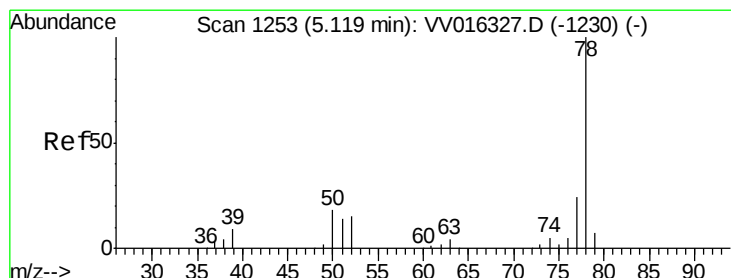
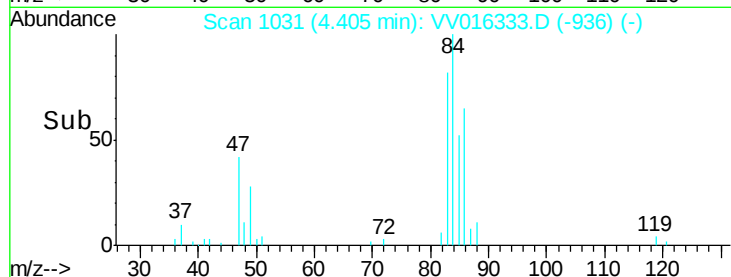
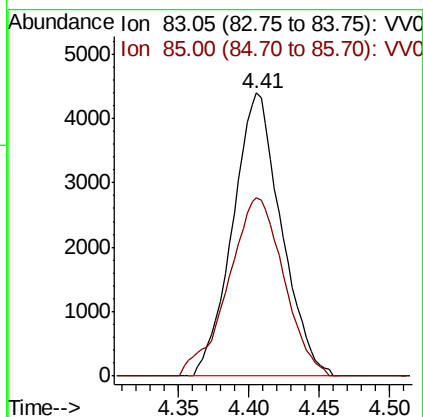
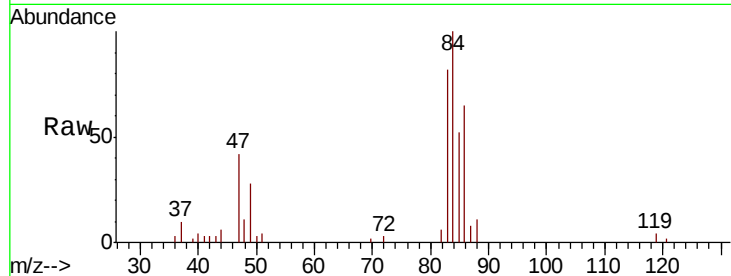




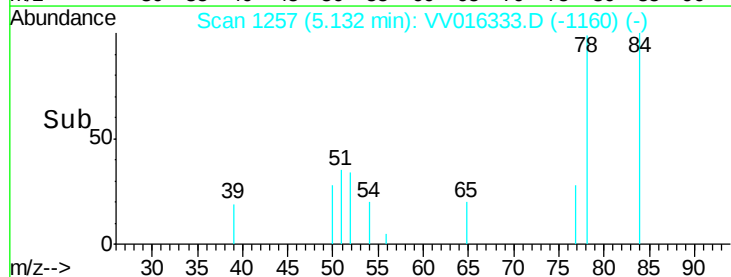
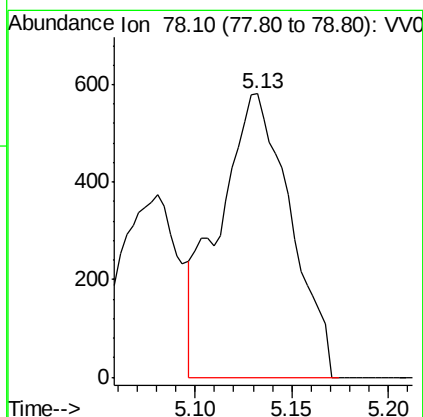
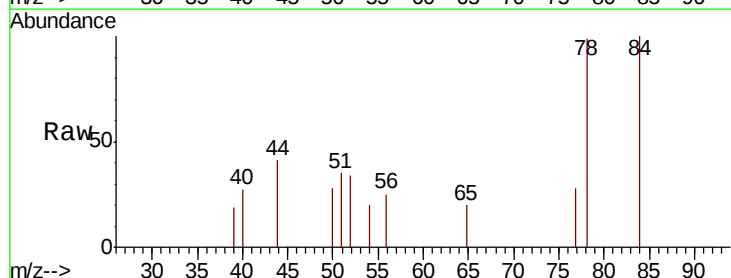
#25
Chloroform
Concen: 0.953 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.01 min
Lab File: VV016333.D
Acq: 30 May 2020 00:40

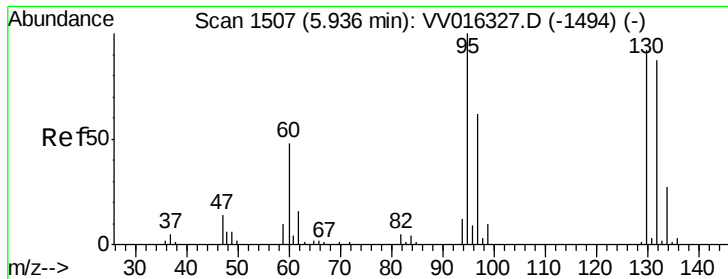
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 83 Resp: 10561
Ion Ratio Lower Upper
83 100
85 63.0 45.1 83.7



#33
Benzene
Concen: 0.068 ug/L
RT: 5.13 min Scan# 1257
Delta R.T. 0.01 min
Lab File: VV016333.D
Acq: 30 May 2020 00:40
Tgt Ion: 78 Resp: 1486





#34

Trichloroethene

Concen: 2.074 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV016333.D

Acq: 30 May 2020 00:40

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 11821

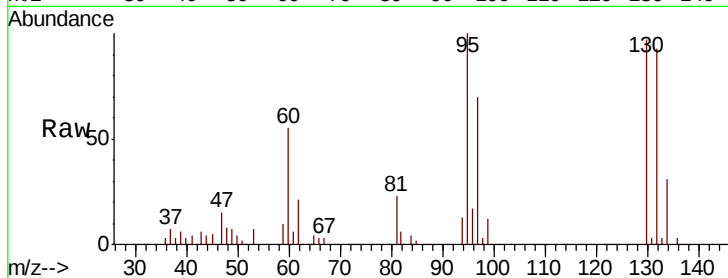
Ion Ratio Lower Upper

95 100

97 69.9 43.6 81.0

132 92.8 63.9 118.7

130 97.5 65.2 121.0

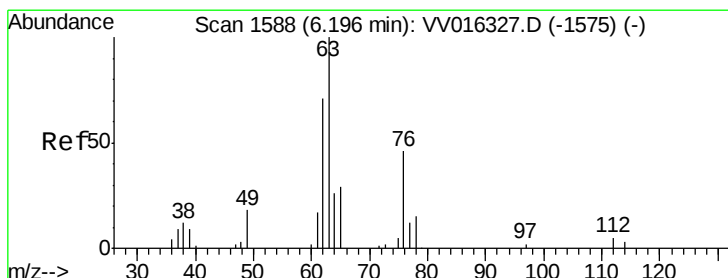
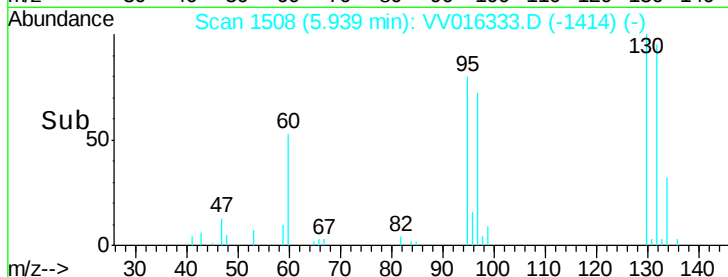
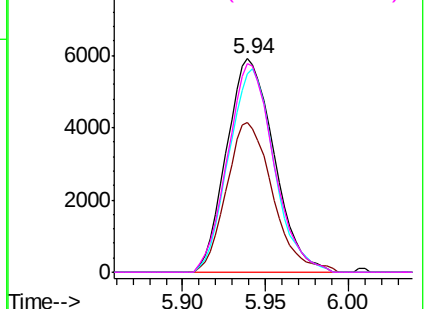


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#37

1,2-Dichloropropane

Concen: 0.664 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.10 min

Lab File: VV016333.D

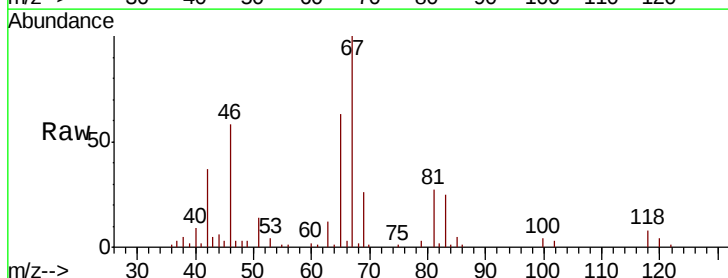
Acq: 30 May 2020 00:40

Tgt Ion: 63 Resp: 3564

Ion Ratio Lower Upper

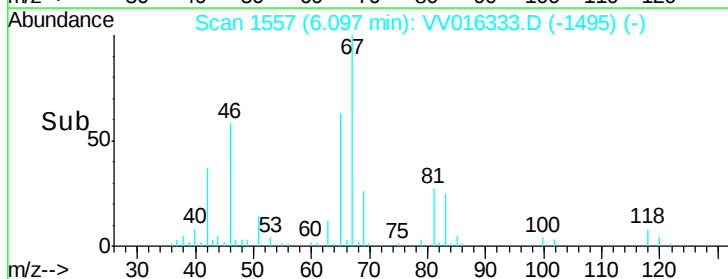
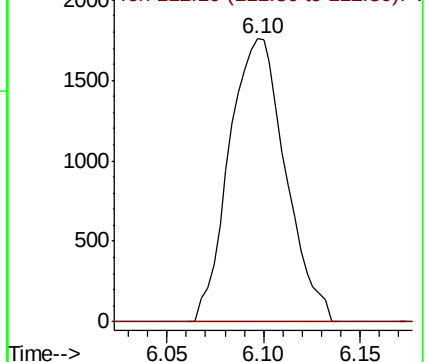
63 100

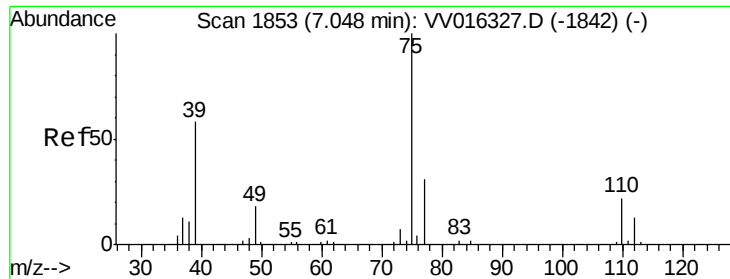
112 0.0 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 112.10 (111.80 to 112.80): V

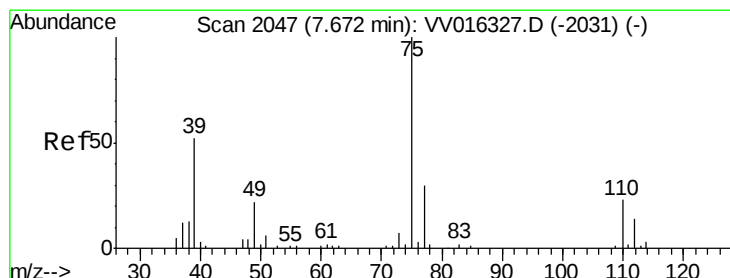
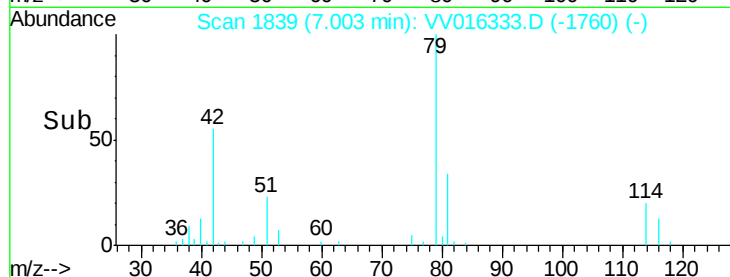
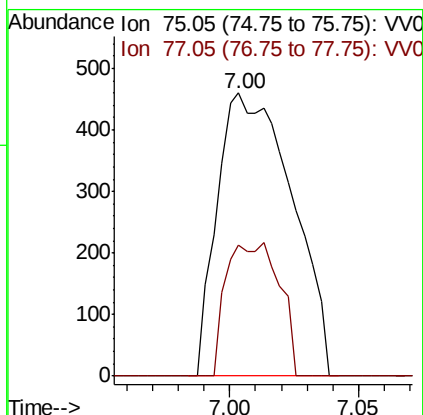
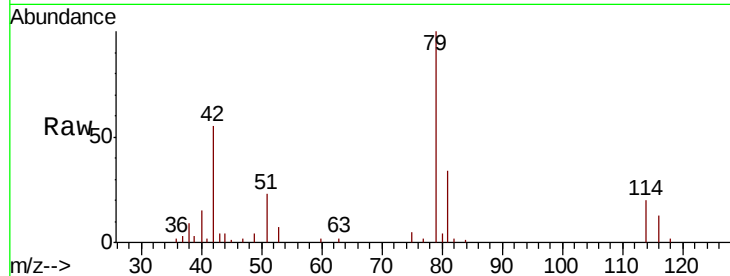




#39
 cis-1,3-Dichloropropene
 Concen: 0.122 ug/L
 RT: 7.00 min Scan# 1839
 Delta R.T. -0.04 min
 Lab File: VV016333.D
 Acq: 30 May 2020 00:40

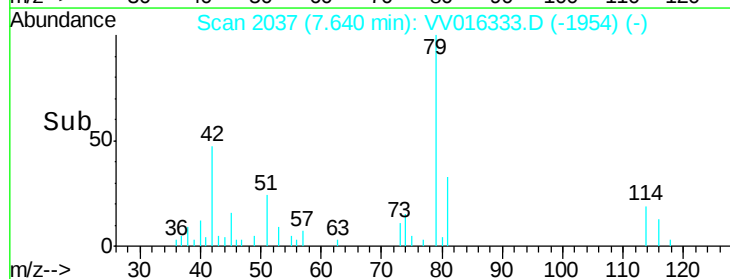
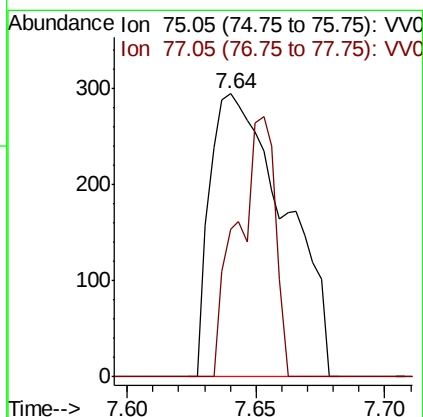
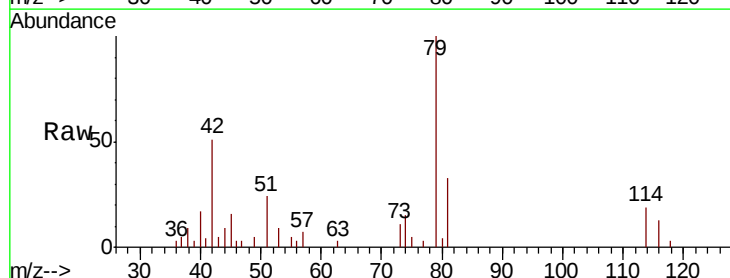
Instrument :
 MSVOA_V
 ClientSampled :

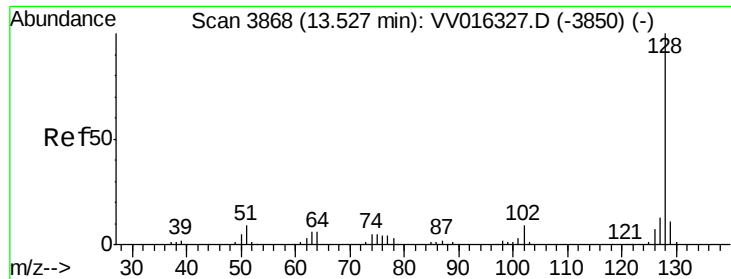
Tot Ion: 75 Resp: 927
 Ion Ratio Lower Upper
 75 100
 77 46.3 21.7 40.3#



#46
 trans-1,3-Dichloropropene
 Concen: 0.094 ug/L
 RT: 7.64 min Scan# 2037
 Delta R.T. -0.03 min
 Lab File: VV016333.D
 Acq: 30 May 2020 00:40

Tgt Ion: 75 Resp: 595
 Ion Ratio Lower Upper
 75 100
 77 52.0 21.7 40.3#





#70

Naphthalene

Concen: 0.520 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV016333.D

Acq: 30 May 2020 00:40

Instrument :

MSVOA_V

ClientSampleId :

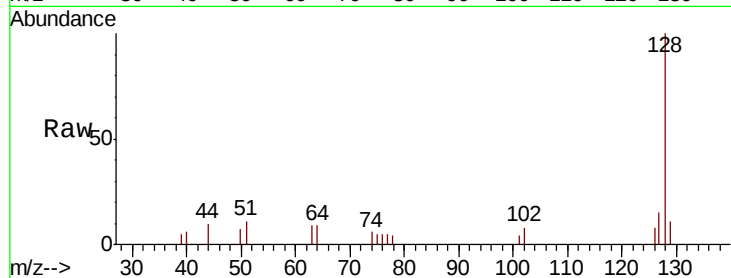
Tot Ion:128 Resp: 5860

Ion Ratio Lower Upper

128 100

129 10.5 8.6 13.0

127 14.2 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

