

Data File : VV012425.D
Acq On : 27 Aug 2019 14:06
Operator : SY/MD
Sample : K4500-18
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GANL2

Quant Time: Aug 28 07:39:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Aug 28 07:35:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	209367	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	201998	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	73110	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	61303	5.86	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	117.20%
7) Chloroethane-d5	1.58	69	56617	7.33	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	146.60%#
11) 1,1-Dichloroethene-d2	2.13	63	97729	5.26	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	105.20%
20) 2-Butanone-d5	3.93	46	118292	41.95	ug/L	-0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	83.90%
24) Chloroform-d	4.40	84	111118	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.40%
26) 1,2-Dichloroethane-d4	5.08	65	60196	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.60%
32) Benzene-d6	5.10	84	226085	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.00%
36) 1,2-Dichloropropane-d6	6.12	67	71917	4.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.60%
41) Toluene-d8	7.36	98	181282	4.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.40%
43) trans-1,3-Dichloropropene-	7.66	79	20594	3.65	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.00%
46) 2-Hexanone-d5	8.13	63	55151	31.47	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	62.94%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	43145	4.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	58895	4.84	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.80%

Target Compounds

						Qvalue
3) Chloromethane	1.26	50	1136	0.083	ug/L #	70
6) Bromomethane	1.54	94	558	0.092	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	1025	0.111	ug/L #	17
12) 1,1-Dichloroethene	2.14	96	1084	0.129	ug/L #	1
13) Acetone	2.19	43	217573	178.337	ug/L	99
14) Carbon disulfide	2.32	76	1164	0.044	ug/L #	53
15) Methyl Acetate	2.30	43	4787	1.559	ug/L #	49
21) 2-Butanone	4.03	43	17968	6.271	ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	6439	0.473	ug/L	97
25) Chloroform	4.43	83	10343	0.399	ug/L	95
27) 1,2-Dichloroethane	5.19	62	4231	0.309	ug/L #	81
34) Trichloroethene	5.96	95	19293	1.388	ug/L	96
35) Methylcyclohexane	6.12	83	17415	0.798	ug/L #	17
44) trans-1,3-Dichloropropene	7.66	75	1080	0.081	ug/L #	70
47) Tetrachloroethene	8.02	164	10443	0.931	ug/L	97
48) 2-Hexanone	8.18	43	14628	2.900	ug/L #	79
49) Dibromochloromethane	8.02	129	9137	0.902	ug/L #	11

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV082719\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Aug 28 07:35:31 2019
Response via : Initial Calibration

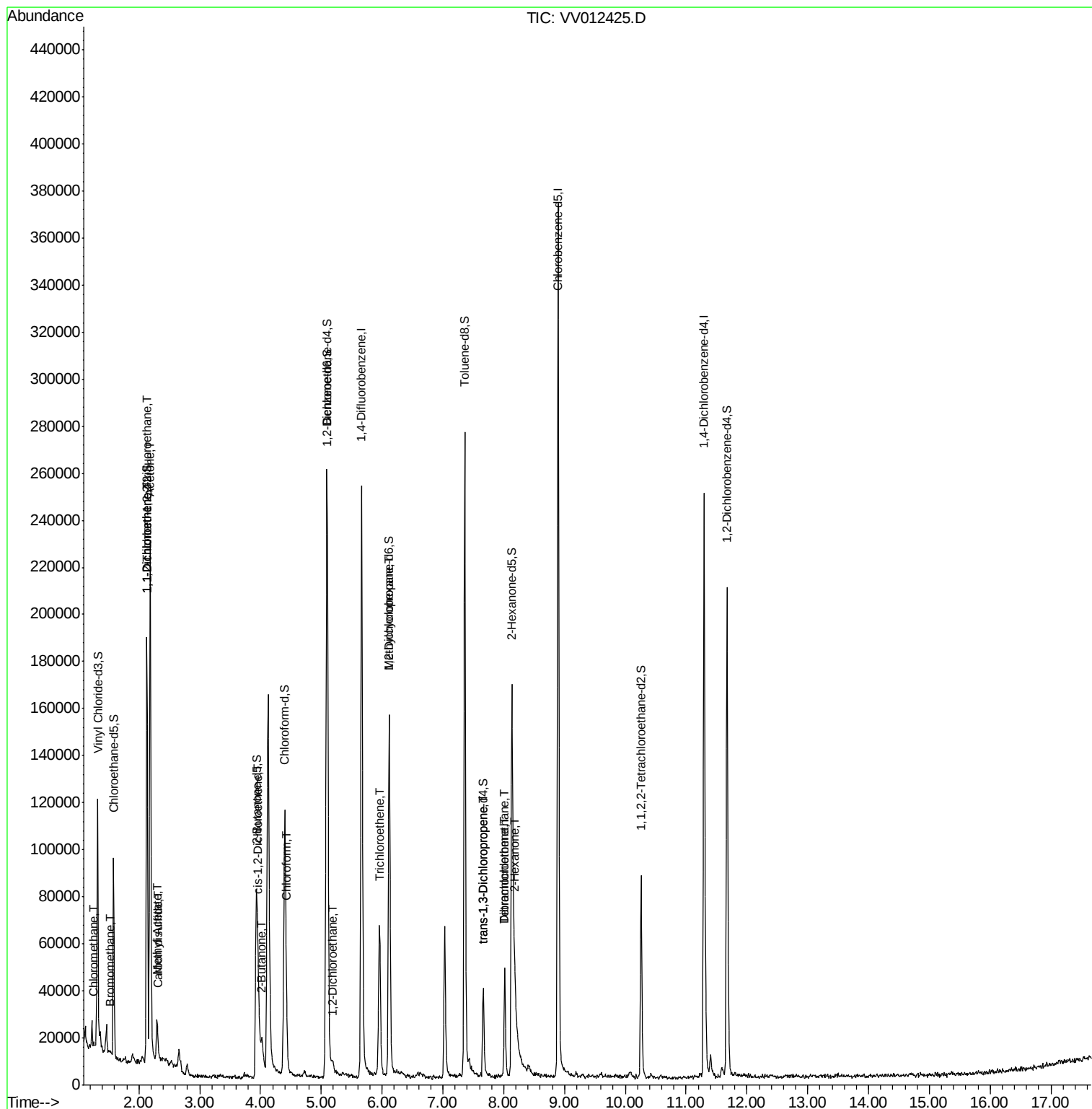
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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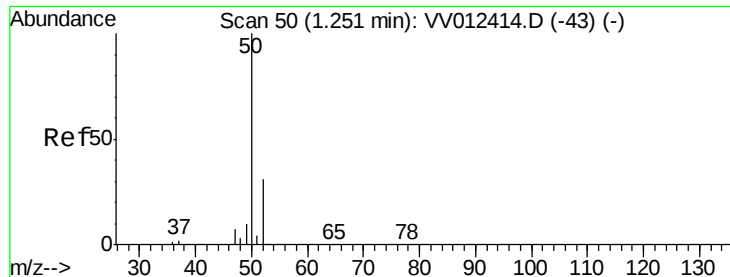
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.083 ug/L

RT: 1.26 min Scan# 52

Delta R.T. 0.01 min

Lab File: VV012425.D

Acq: 27 Aug 2019 14:06

Instrument :

MSVOA_V

ClientSampleId :

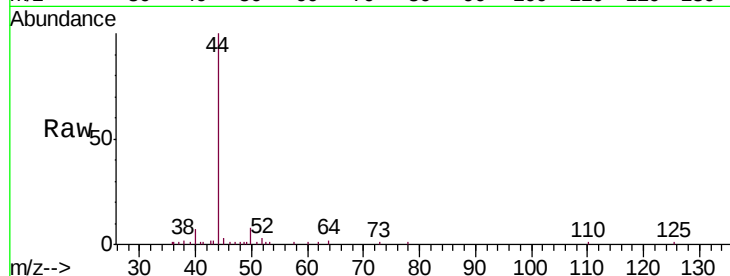
GANL2

Tgt Ion: 50 Resp: 1136

Ion Ratio Lower Upper

50 100

52 48.2 22.2 41.2#



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0

1.26

1.28

1.30

1.32

1.34

1.36

1.38

1.40

1.42

1.44

1.46

1.48

1.50

1.52

1.54

1.56

1.58

1.60

1.62

1.64

1.66

1.68

1.70

1.72

1.74

1.76

1.78

1.80

1.82

1.84

1.86

1.88

1.90

1.92

1.94

1.96

1.98

2.00

2.02

2.04

2.06

2.08

2.10

2.12

2.14

2.16

2.18

2.20

2.22

2.24

2.26

2.28

2.30

2.32

2.34

2.36

2.38

2.40

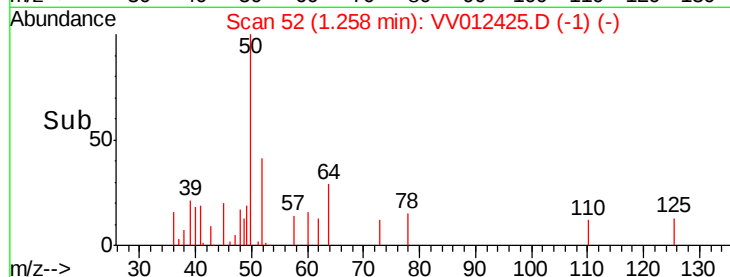
2.42

2.44

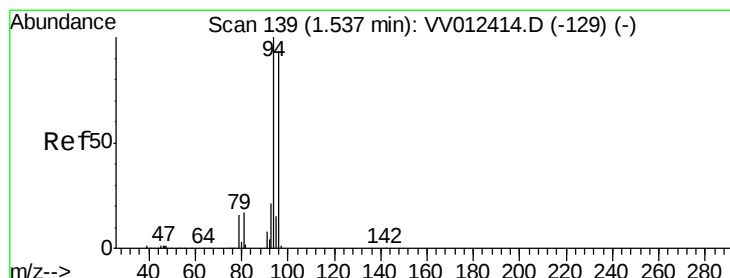
2.46

2.48

2.50



Time-->



#6

Bromomethane

Concen: 0.092 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV012425.D

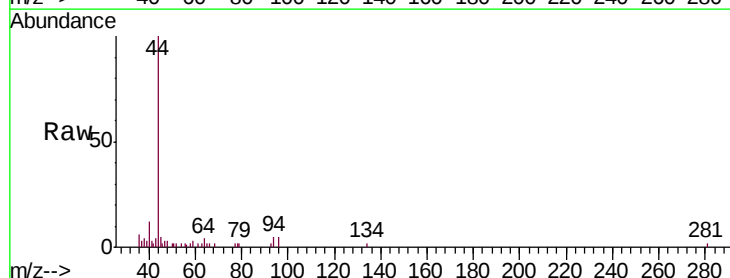
Acq: 27 Aug 2019 14:06

Tgt Ion: 94 Resp: 558

Ion Ratio Lower Upper

94 100

96 98.2 69.2 128.6



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.54

1.56

1.58

1.60

1.62

1.64

1.66

1.68

1.70

1.72

1.74

1.76

1.78

1.80

1.82

1.84

1.86

1.88

1.90

1.92

1.94

1.96

1.98

2.00

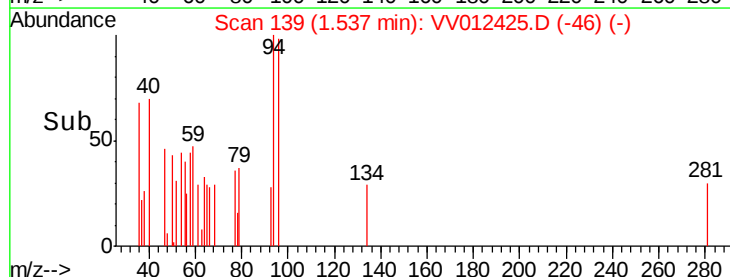
2.02

2.04

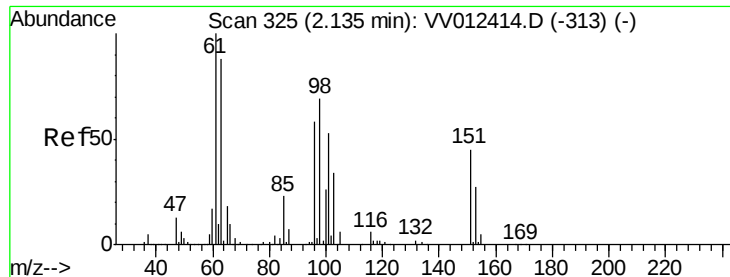
2.06

2.08

2.10



Time-->



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.111 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV012425.D

Acq: 27 Aug 2019 14:06

Instrument :

MSVOA_V

ClientSampled :

GANL2

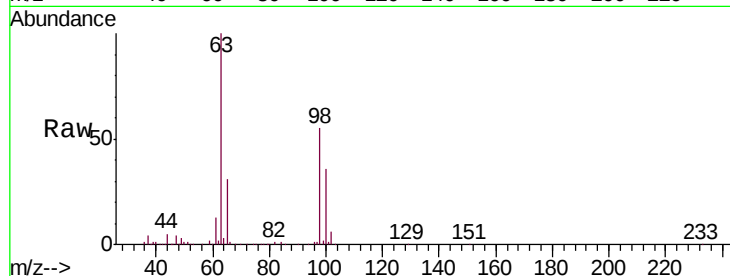
Tgt Ion: 101 Resp: 1025

Ion Ratio Lower Upper

101 100

85 2.3 34.6 51.8#

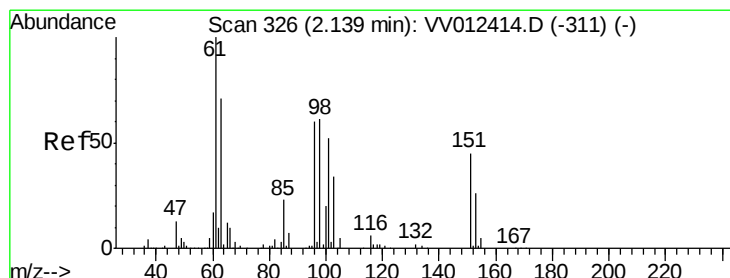
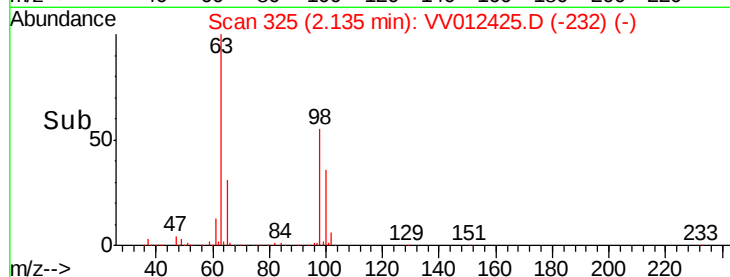
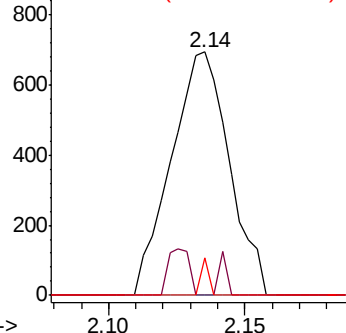
151 2.0 71.2 106.8#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.129 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV012425.D

Acq: 27 Aug 2019 14:06

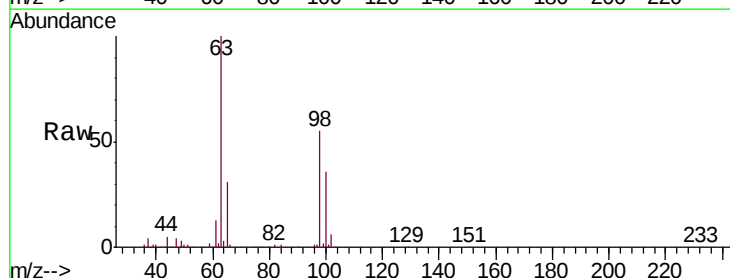
Tgt Ion: 96 Resp: 1084

Ion Ratio Lower Upper

96 100

61 1387.5 122.3 227.1#

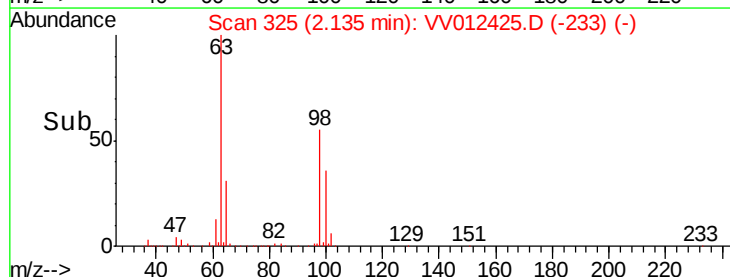
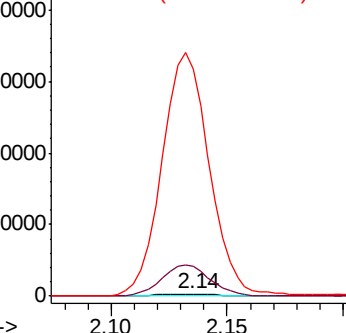
63 10721.1 90.6 168.2#

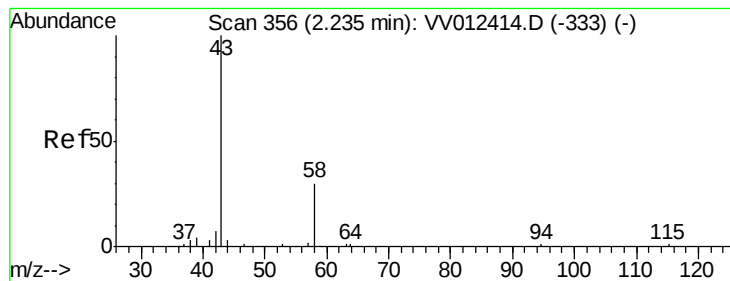


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 178.337 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.05 min

Lab File: VV012425.D

Acq: 27 Aug 2019 14:06

Instrument :

MSVOA_V

ClientSampleId :

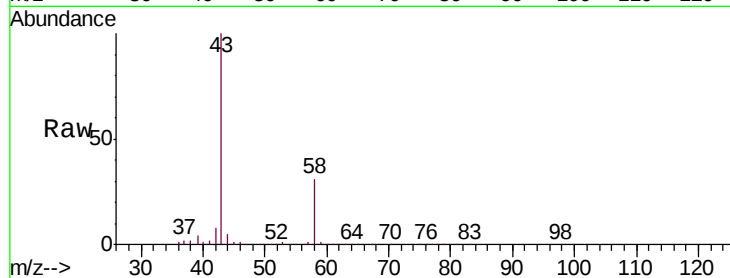
GANL2

Tgt Ion: 43 Resp: 217573

Ion Ratio Lower Upper

43 100

58 30.6 0.0 62.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.19

150000

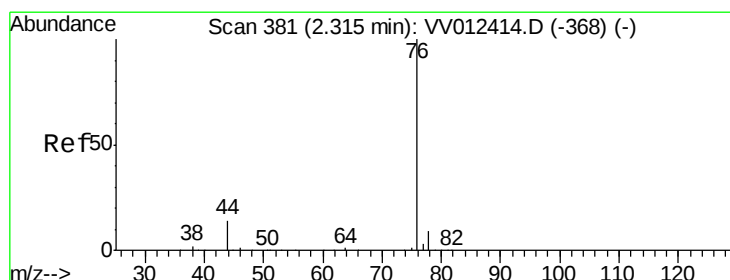
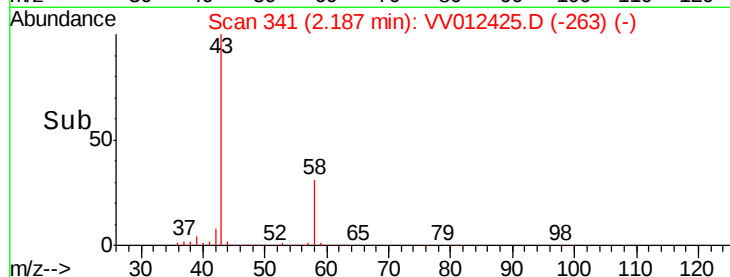
100000

50000

0

Time-->

2.10 2.15 2.20 2.25 2.30



#14

Carbon disulfide

Concen: 0.044 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV012425.D

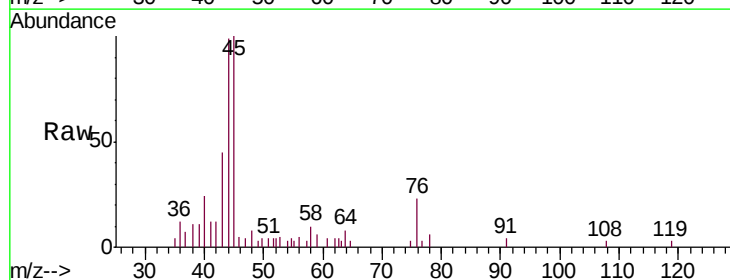
Acq: 27 Aug 2019 14:06

Tgt Ion: 76 Resp: 1164

Ion Ratio Lower Upper

76 100

78 26.1 7.3 10.9#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.32

800

600

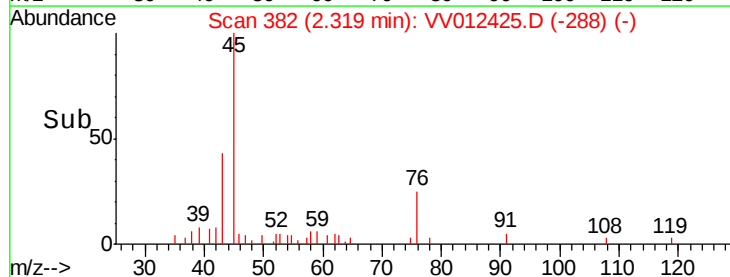
400

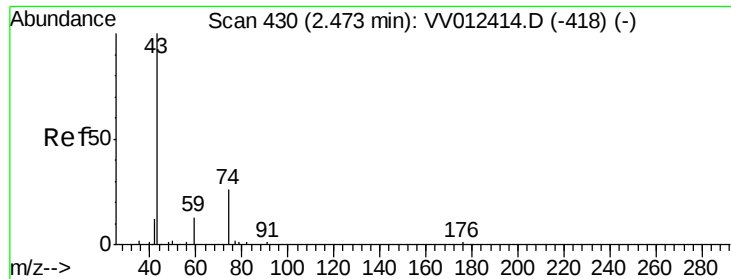
200

0

Time-->

2.28 2.30 2.32 2.34 2.36

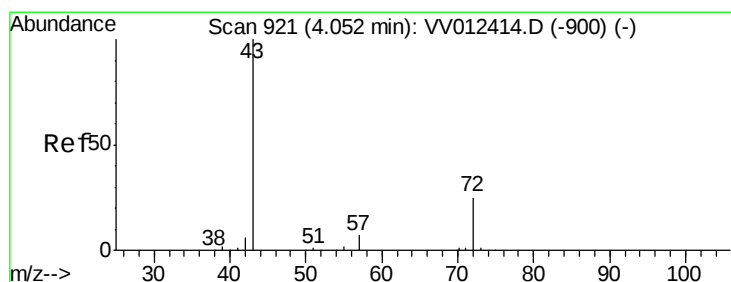
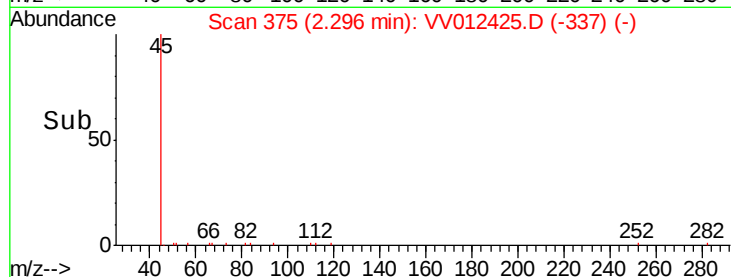
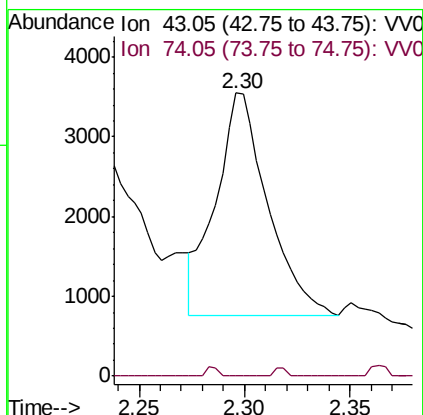
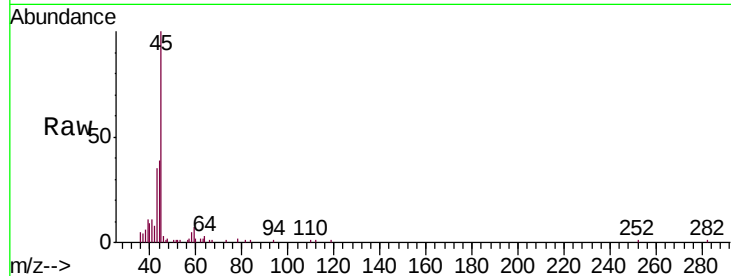




#15
Methyl Acetate
Concen: 1.559 ug/L
RT: 2.30 min Scan# 375
Delta R.T. -0.18 min
Lab File: VV012425.D
Acq: 27 Aug 2019 14:06

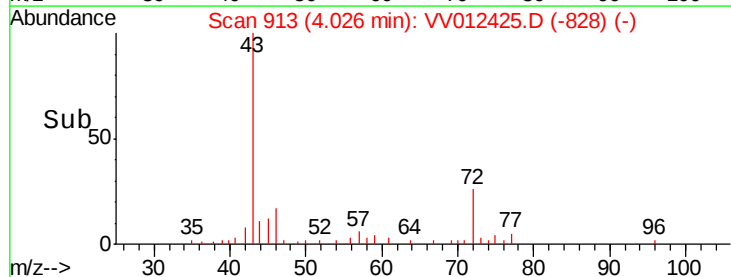
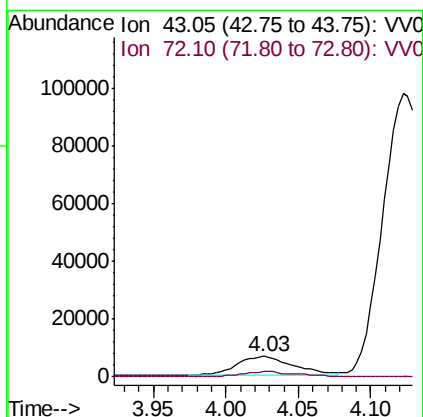
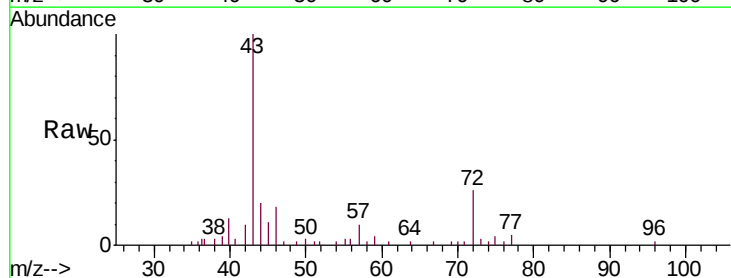
Instrument :
MSVOA_V
ClientSampleId :
GANL2

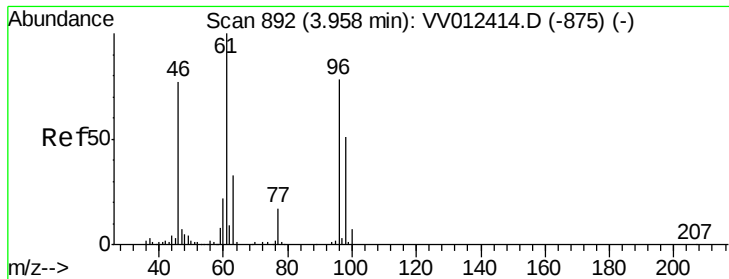
Tgt Ion: 43 Resp: 4787
Ion Ratio Lower Upper
43 100
74 0.9 21.8 32.6#



#21
2-Butanone
Concen: 6.271 ug/L
RT: 4.03 min Scan# 913
Delta R.T. -0.03 min
Lab File: VV012425.D
Acq: 27 Aug 2019 14:06

Tgt Ion: 43 Resp: 17968
Ion Ratio Lower Upper
43 100
72 25.1 12.2 36.6



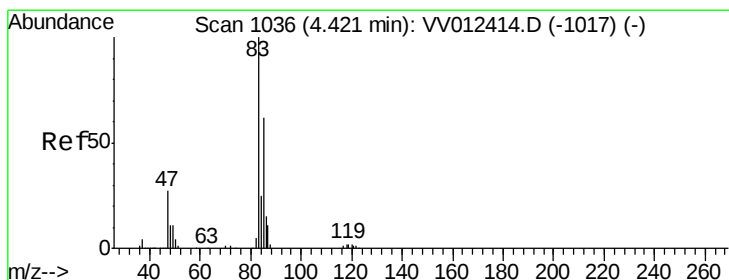
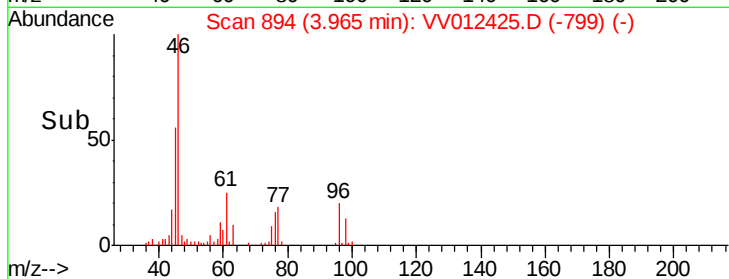
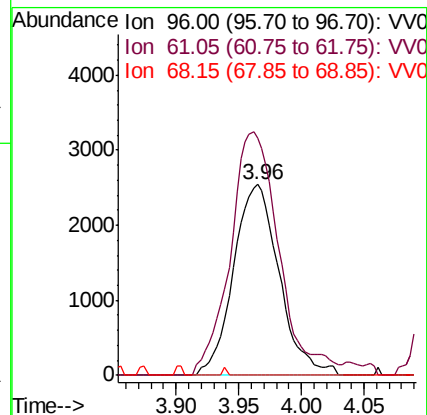
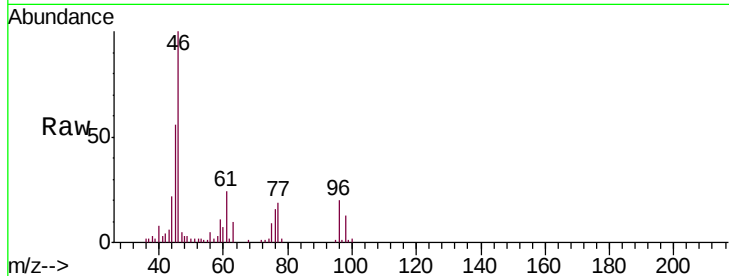


#22

cis-1,2-Dichloroethene
 Concen: 0.473 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. 0.01 min
 Lab File: VV012425.D
 Acq: 27 Aug 2019 14:06

Instrument :
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 ClientSampleId :
 GANL2

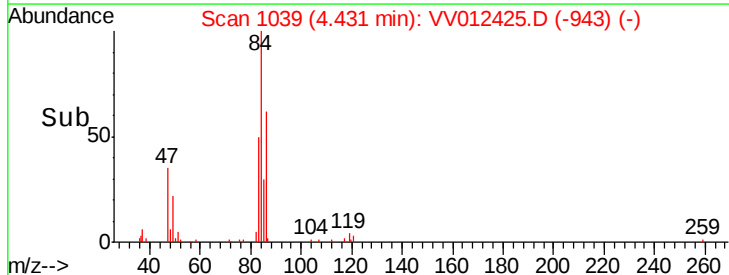
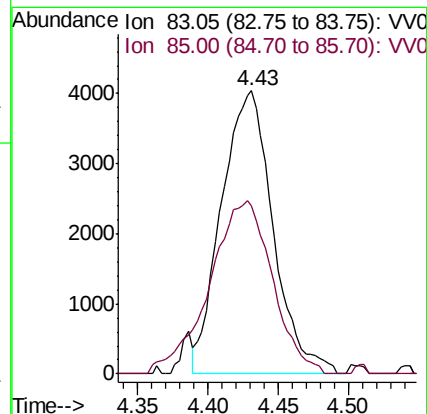
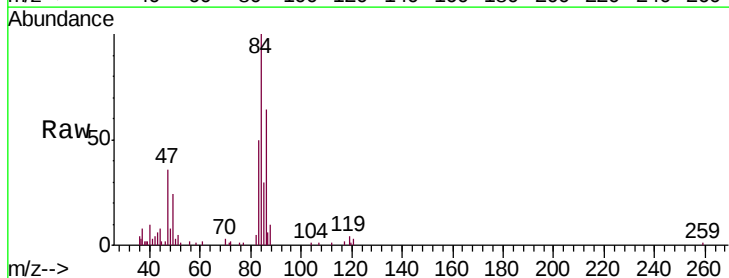
Tgt Ion: 96 Resp: 6439
 Ion Ratio Lower Upper
 96 100
 61 124.2 89.4 166.0
 68 0.0 0.0 0.0

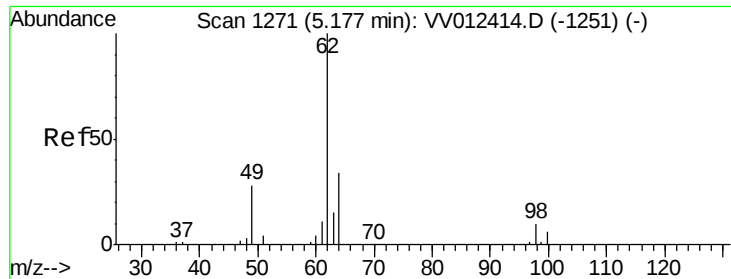


#25

Chloroform
 Concen: 0.399 ug/L
 RT: 4.43 min Scan# 1039
 Delta R.T. 0.01 min
 Lab File: VV012425.D
 Acq: 27 Aug 2019 14:06

Tgt Ion: 83 Resp: 10343
 Ion Ratio Lower Upper
 83 100
 85 59.6 44.6 82.8

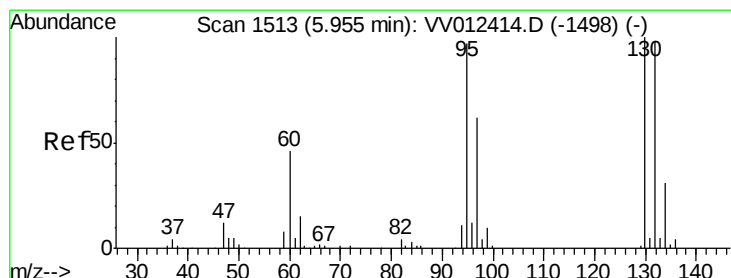
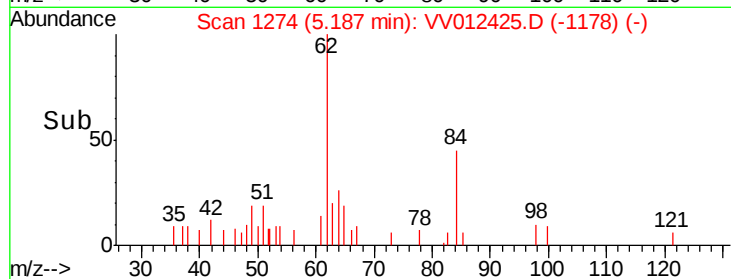
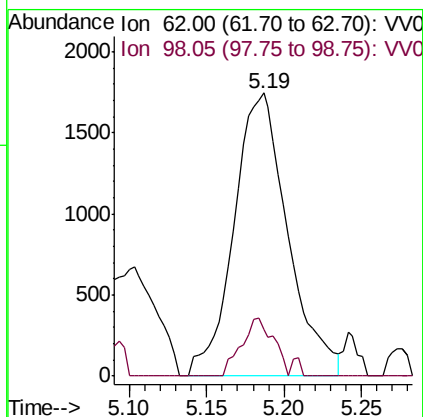
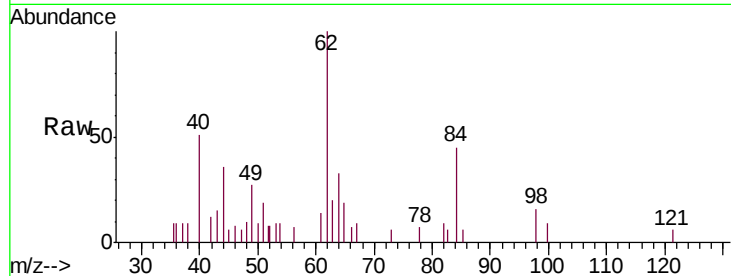




#27
 1,2-Dichloroethane
 Concen: 0.309 ug/L
 RT: 5.19 min Scan# 1274
 Delta R.T. 0.01 min
 Lab File: VV012425.D
 Acq: 27 Aug 2019 14:06

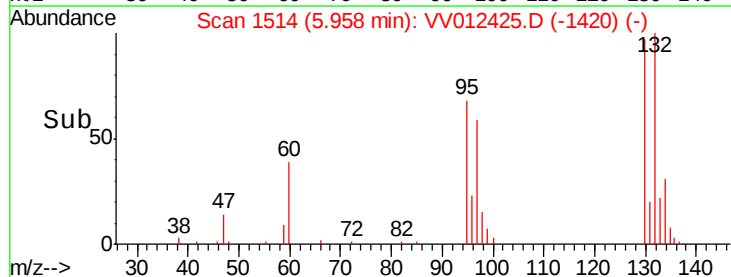
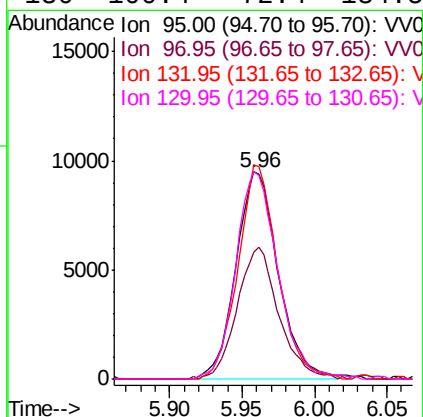
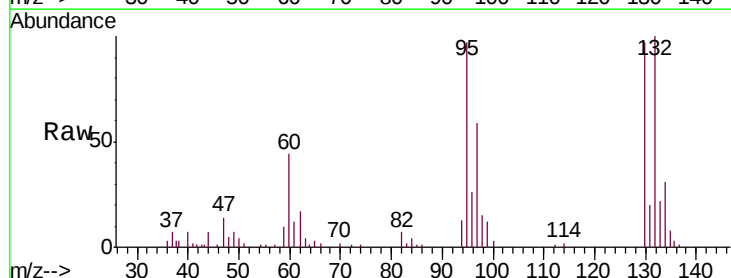
Instrument :
 MSVOA_V
 ClientSampleId :
 GANL2

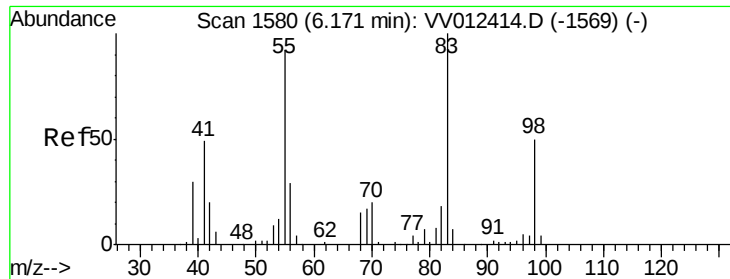
Tgt Ion: 62 Resp: 4231
 Ion Ratio Lower Upper
 62 100
 98 16.3 7.6 11.4#



#34
 Trichloroethene
 Concen: 1.388 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV012425.D
 Acq: 27 Aug 2019 14:06

Tgt Ion: 95 Resp: 19293
 Ion Ratio Lower Upper
 95 100
 97 61.3 46.3 86.1
 132 103.2 70.3 130.7
 130 100.4 72.4 134.5





#35

Methylcyclohexane

Concen: 0.798 ug/L

RT: 6.12 min Scan# 1564

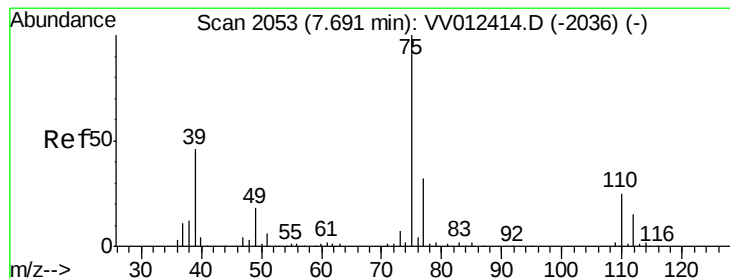
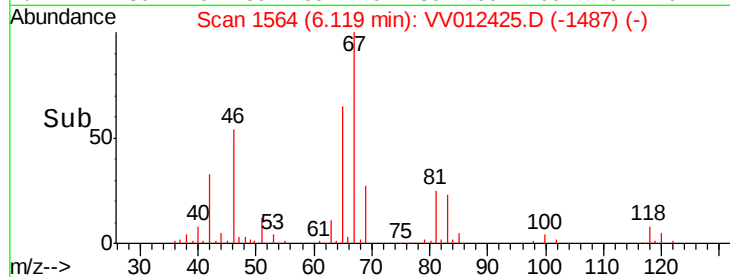
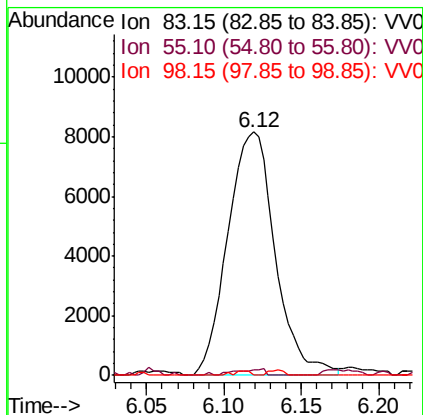
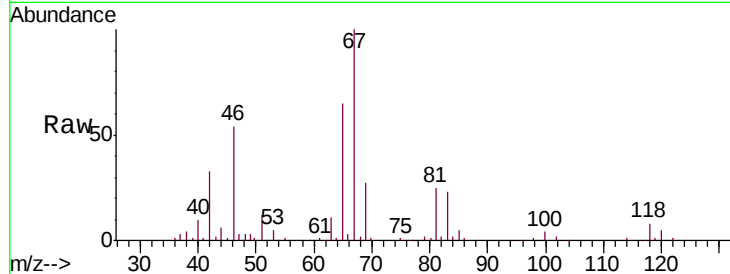
Delta R.T. -0.05 min

Lab File: VV012425.D

Acq: 27 Aug 2019 14:06

Instrument :
MSVOA_V
ClientSampleId :
GANL2

Tgt Ion:	83	Resp:	17415
Ion	Ratio	Lower	Upper
83	100		
55	1.6	64.6	97.0#
98	0.0	39.0	58.4#



#44

trans-1,3-Dichloropropene

Concen: 0.081 ug/L

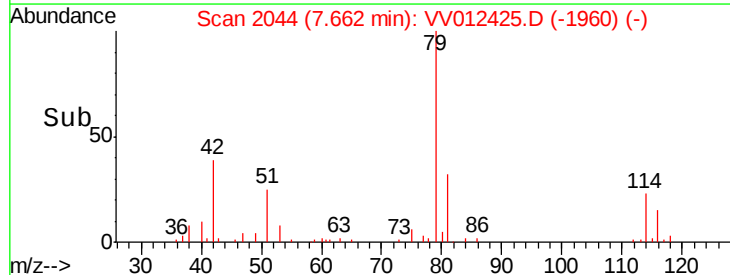
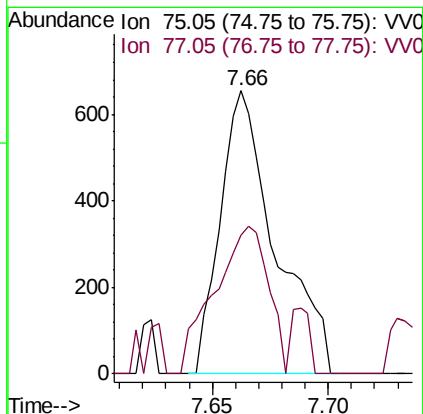
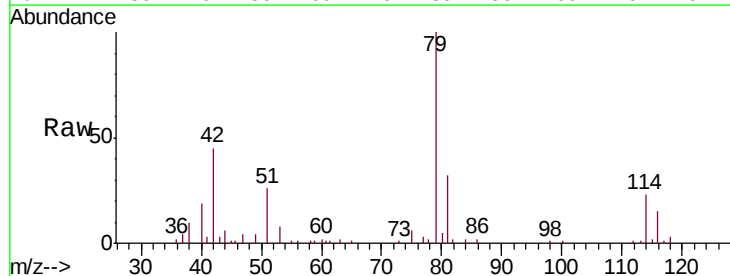
RT: 7.66 min Scan# 2044

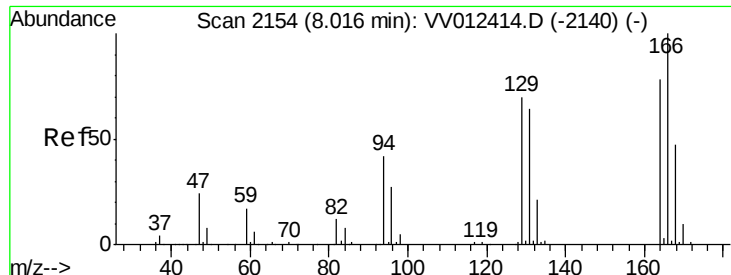
Delta R.T. -0.03 min

Lab File: VV012425.D

Acq: 27 Aug 2019 14:06

Tgt Ion:	75	Resp:	1080
Ion	Ratio	Lower	Upper
75	100		
77	48.9	22.6	42.0#

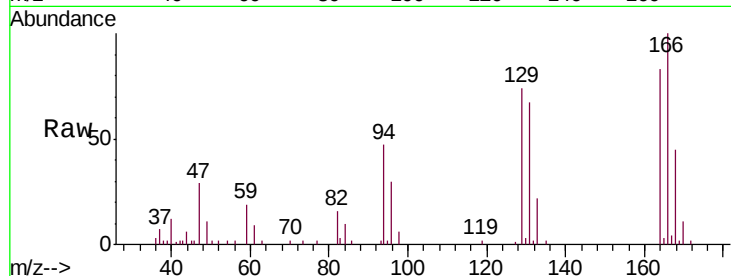




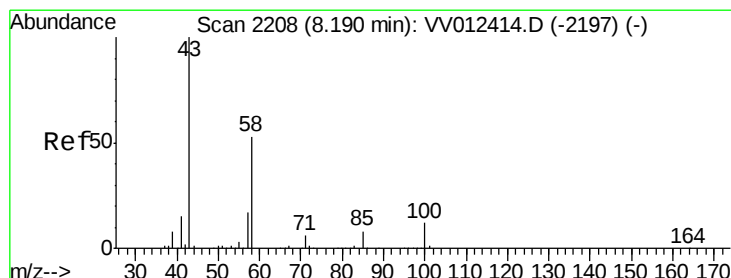
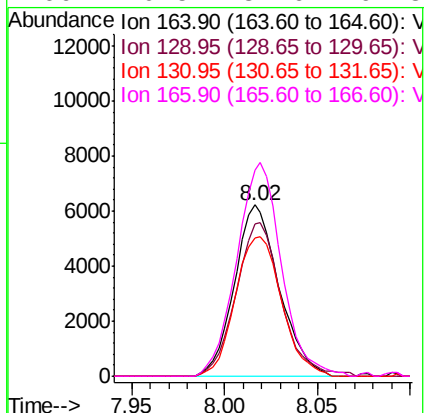
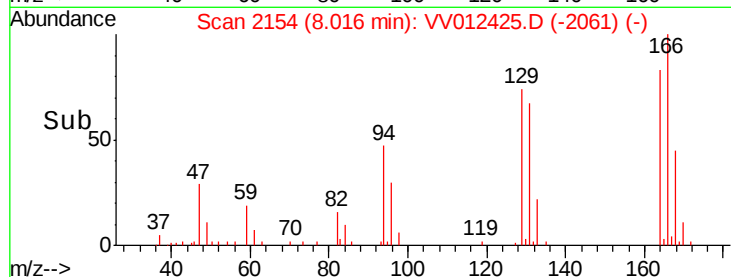
#47
Tetrachloroethene
Concen: 0.931 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.00 min
Lab File: VV012425.D
Acq: 27 Aug 2019 14:06

Instrument :
MSVOA_V
ClientSampleId :
GANL2

Tgt Ion:164 Resp: 10443
Ion Ratio Lower Upper
164 100
129 89.0 60.6 112.6
131 81.0 58.8 109.2
166 120.5 87.6 162.8

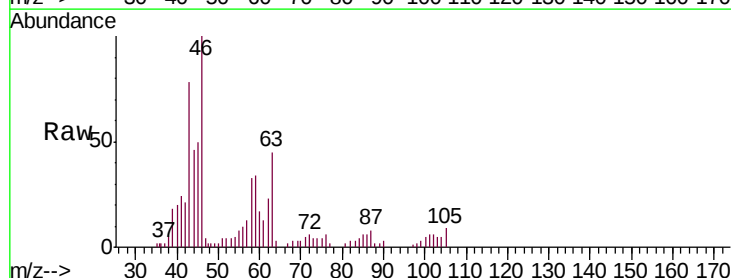


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

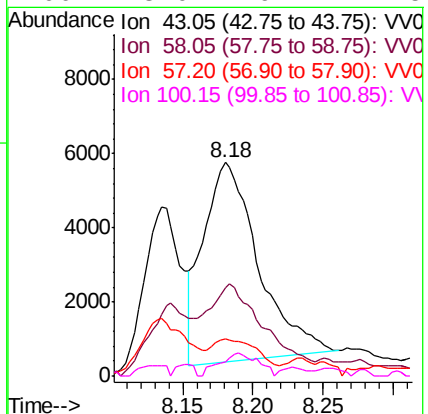
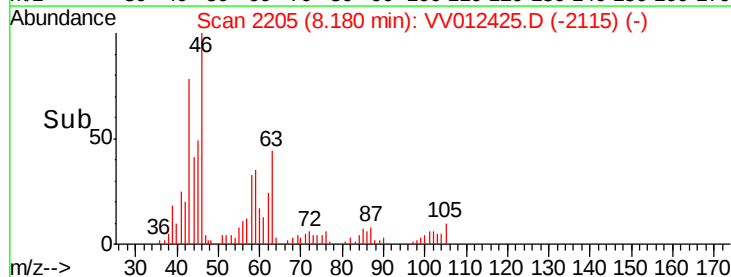


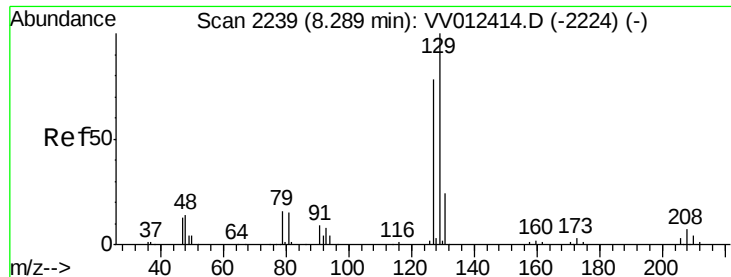
#48
2-Hexanone
Concen: 2.900 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. -0.01 min
Lab File: VV012425.D
Acq: 27 Aug 2019 14:06

Tgt Ion: 43 Resp: 14628
Ion Ratio Lower Upper
43 100
58 38.6 46.3 69.5#
57 13.7 14.9 22.3#
100 8.0 9.7 14.5#



Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0





#49

Dibromochloromethane

Concen: 0.902 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. -0.27 min

Lab File: VV012425.D

Acq: 27 Aug 2019 14:06

Instrument :

MSVOA_V

ClientSampleId :

GANL2

Tgt Ion:129 Resp: 9137

Ion Ratio Lower Upper

129 100

127 0.0 53.8 99.8#

