

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052020\
 Data File : VV016129.D
 Acq On : 20 May 2020 14:19
 Operator : SY/MD
 Sample : L2725-01
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F9B00

Quant Time: May 21 02:39:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu May 21 01:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	138680	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	139060	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	67860	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	33119	4.40	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.00%
7) Chloroethane-d5	1.58	69	36729	5.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.00%
11) 1,1-Dichloroethene-d2	2.13	63	59889	3.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.00%
20) 2-Butanone-d5	3.91	46	121604	56.66	ug/L	-0.08
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.32%
24) Chloroform-d	4.38	84	79492	4.83	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.60%
26) 1,2-Dichloroethane-d4	5.06	65	49667	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.40%
32) Benzene-d6	5.08	84	162219	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
36) 1,2-Dichloropropane-d6	6.10	67	52505	5.20	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.00%
41) Toluene-d8	7.34	98	140090	4.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.60%
45) trans-1,3-Dichloropropene-	7.65	79	16638	4.20	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.00%
48) 2-Hexanone-d5	8.11	63	89981	51.67	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.34%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	38299	5.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.80%
65) 1,2-Dichlorobenzene-d4	11.65	152	56294	5.11	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.20%

Target Compounds

					Ovalue
5) Vinyl chloride	1.32	62	119710	11.636 ug/L	100
12) 1,1-Dichloroethene	2.14	96	6655	0.872 ug/L	# 1
13) Acetone	2.20	43	2416	1.707 ug/L	71
18) trans-1,2-Dichloroethene	2.78	96	16913	2.005 ug/L	97
19) 1,1-Dichloroethane	3.22	63	2150	0.132 ug/L	98
22) cis-1,2-Dichloroethene	3.94	96	764971	86.643 ug/L	99
25) Chloroform	4.41	83	10786	0.603 ug/L	89
27) 1,2-Dichloroethane	5.16	62	40144	3.652 ug/L	100
33) Benzene	5.13	78	34355	0.982 ug/L	100
34) Trichloroethene	5.94	95	157032	15.725 ug/L	95
47) 1,1,2-Trichloroethane	7.87	97	11966	2.016 ug/L	95
49) Tetrachloroethene	8.00	164	9548	1.370 ug/L	98
53) Chlorobenzene	8.90	112	181064	7.592 ug/L	97
56) o-xylene	9.57	106	1536	0.103 ug/L	84
63) 1,3-Dichlorobenzene	11.21	146	6204	0.339 ug/L	99
64) 1,4-Dichlorobenzene	11.30	146	36113	1.966 ug/L	99
66) 1,2-Dichlorobenzene	11.67	146	133471	8.066 ug/L	98

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu May 21 01:36:12 2020
Response via : Initial Calibration

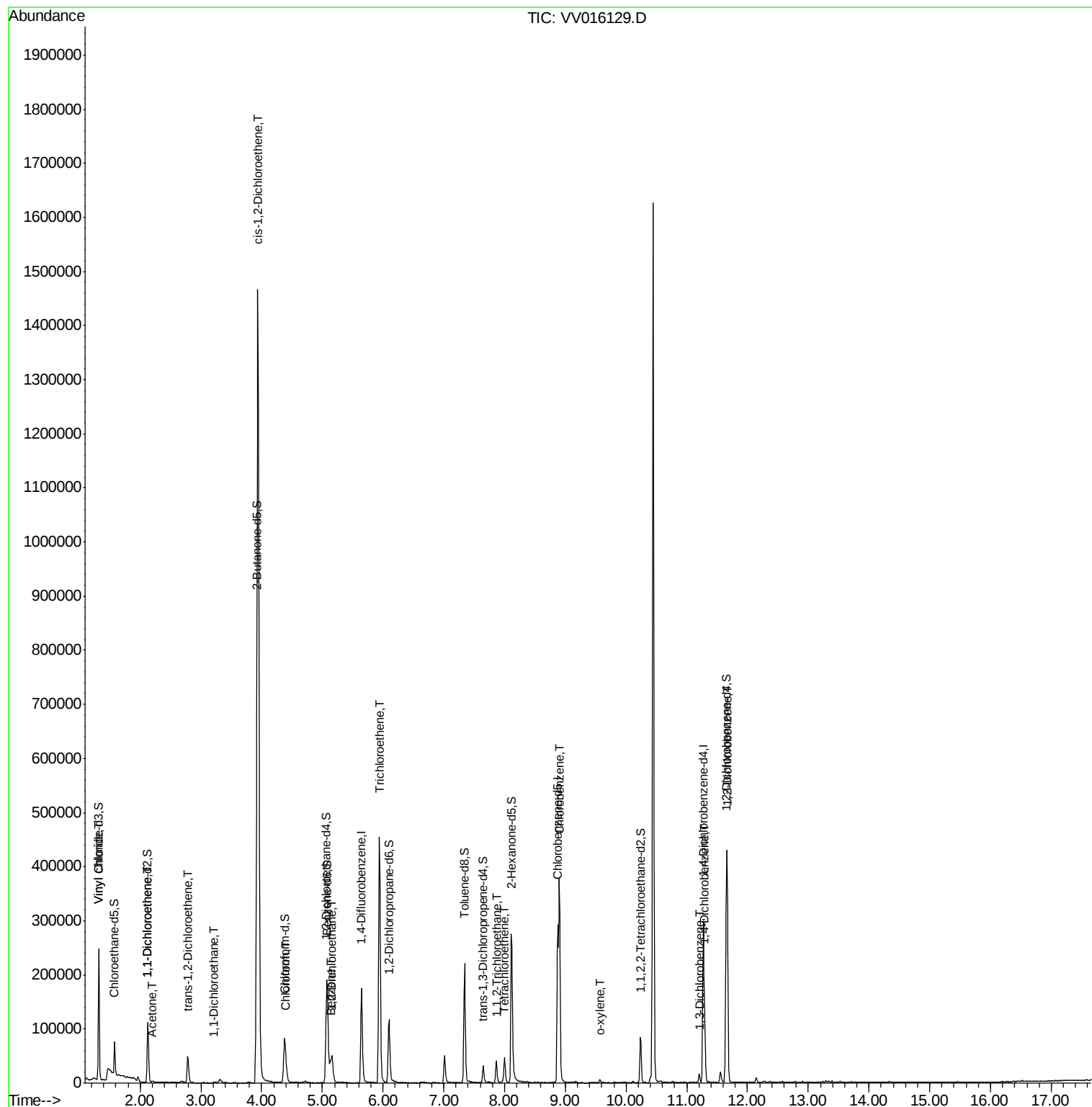
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
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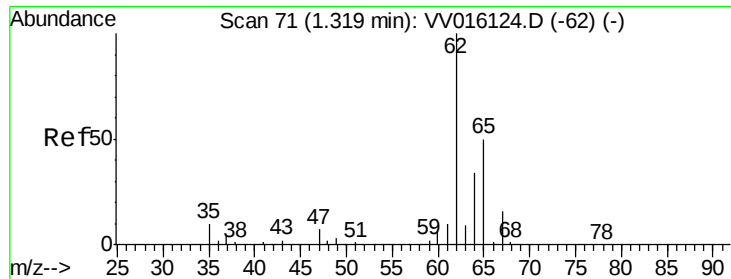
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 11.636 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV016129.D

Acq: 20 May 2020 14:19

Instrument :

MSVOA_V

ClientSampled :

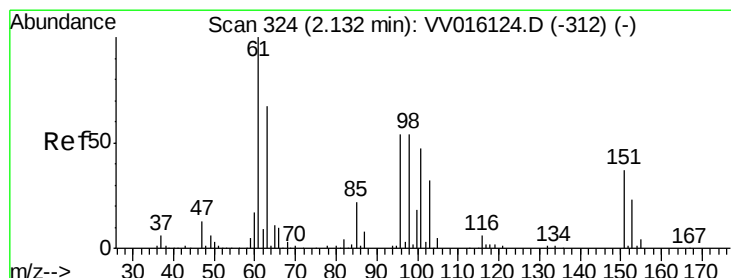
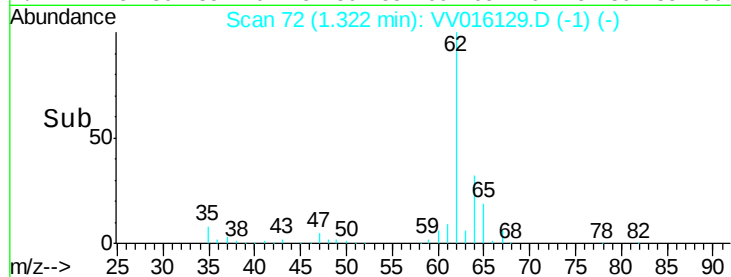
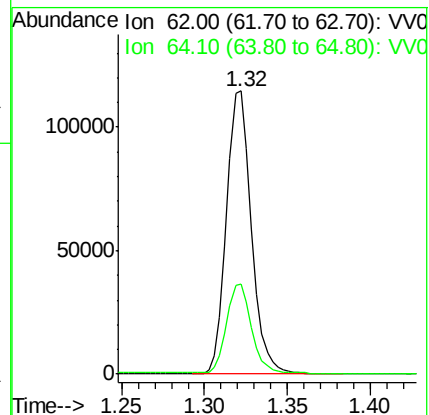
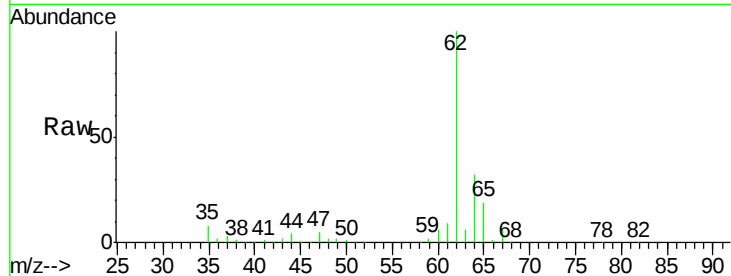
F9B00

Tot Ion: 62 Resp: 119710

Ion Ratio Lower Upper

62 100

64 32.0 22.4 41.6



#12

1,1-Dichloroethene

Concen: 0.872 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV016129.D

Acq: 20 May 2020 14:19

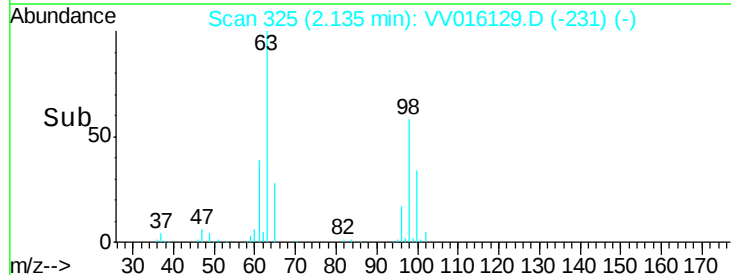
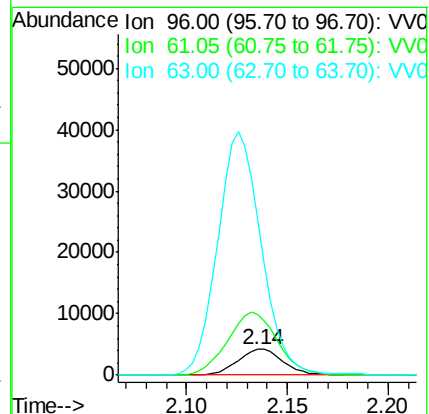
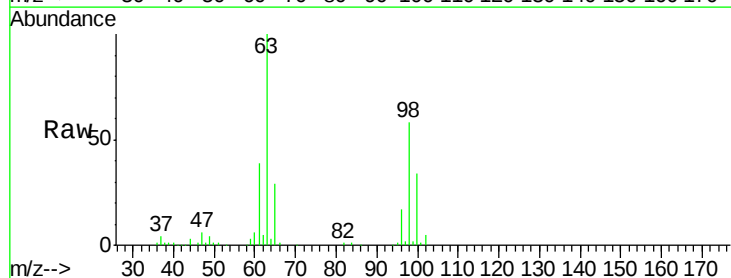
Tgt Ion: 96 Resp: 6655

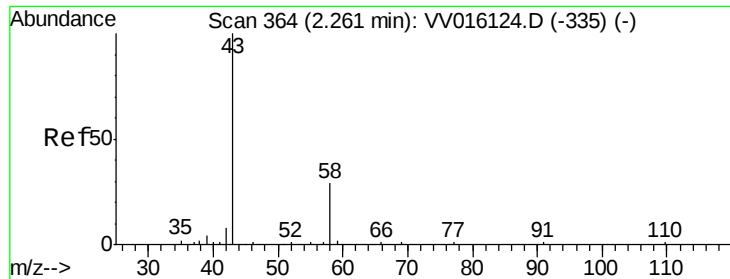
Ion Ratio Lower Upper

96 100

61 234.1 139.9 259.7

63 600.5 106.4 197.6#





#13

Acetone

Concen: 1.707 ug/L

RT: 2.20 min Scan# 345

Delta R.T. -0.06 min

Lab File: VV016129.D

Acq: 20 May 2020 14:19

Instrument :

MSVOA_V

ClientSampleId :

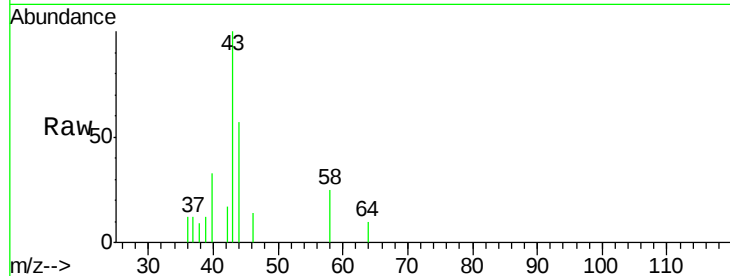
F9B00

Tot Ion: 43 Resp: 2416

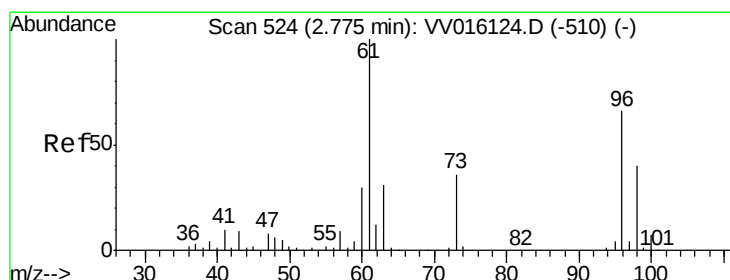
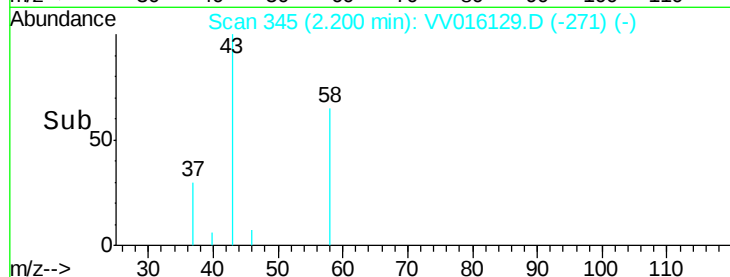
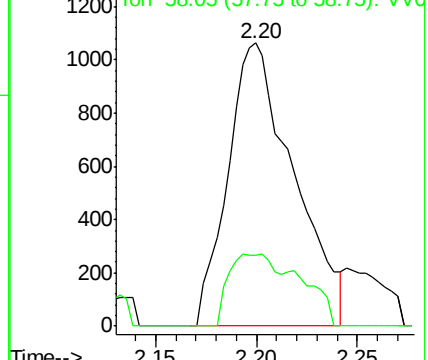
Ion Ratio Lower Upper

43 100

58 27.6 0.0 30.8



Abundance Ion 43.05 (42.75 to 43.75): VV016129.D (-345) (-)



#18

trans-1,2-Dichloroethene

Concen: 2.005 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.01 min

Lab File: VV016129.D

Acq: 20 May 2020 14:19

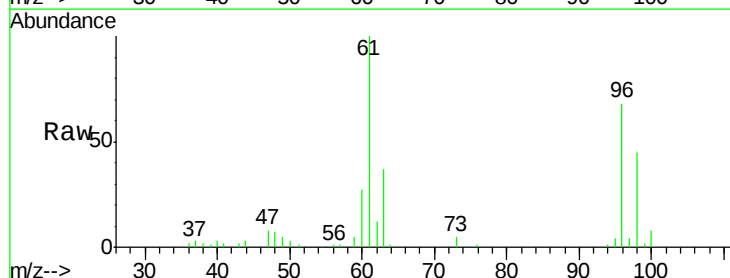
Tgt Ion: 96 Resp: 16913

Ion Ratio Lower Upper

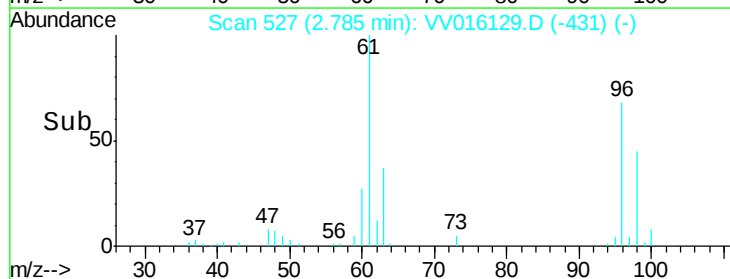
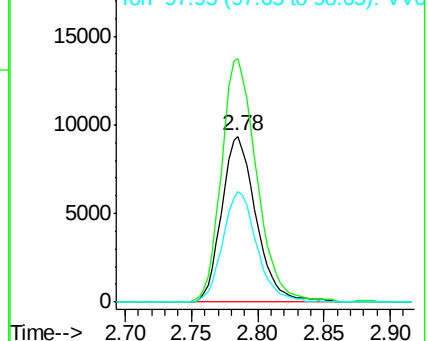
96 100

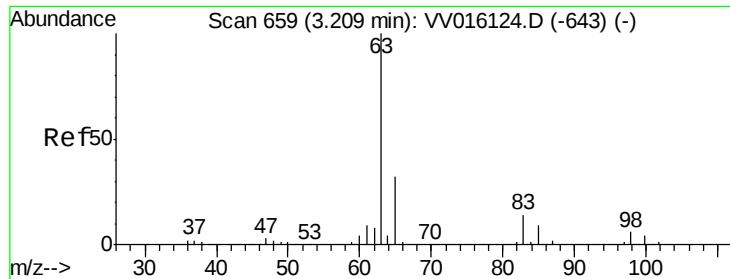
61 147.1 105.3 195.5

98 66.9 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VV016129.D (-431) (-)

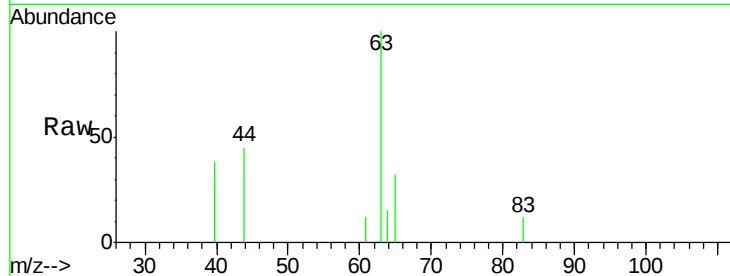




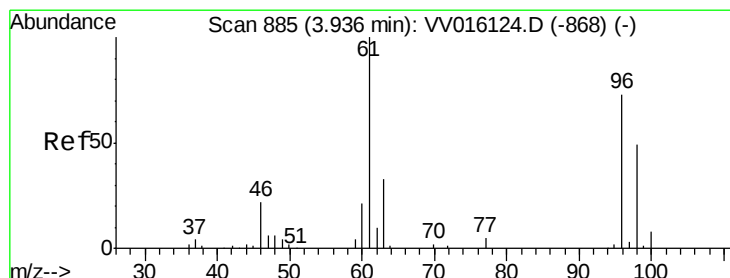
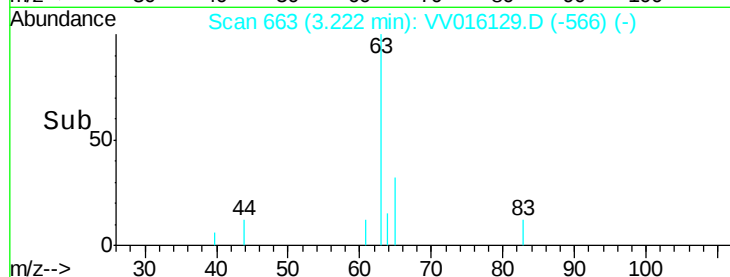
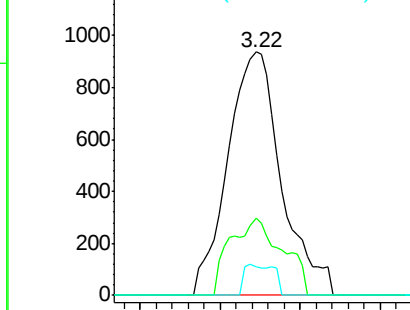
#19
 1,1-Dichloroethane
 Concen: 0.132 ug/L
 RT: 3.22 min Scan# 663
 Delta R.T. 0.01 min
 Lab File: VV016129.D
 Acq: 20 May 2020 14:19

Instrument :
 MSVOA_V
 ClientSampleId :
 F9B00

Tot Ion: 63 Resp: 2150
 Ion Ratio Lower Upper
 63 100
 65 31.9 22.0 41.0
 83 11.7 9.8 18.2

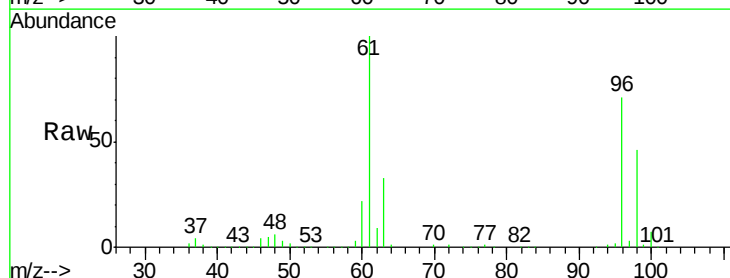


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

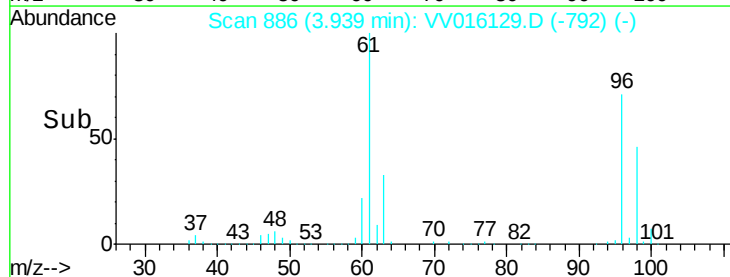
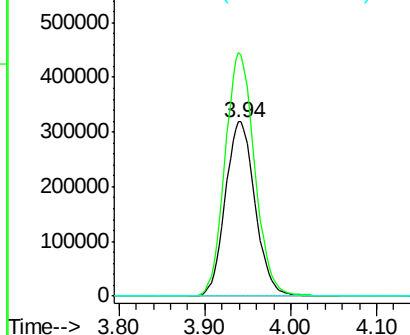


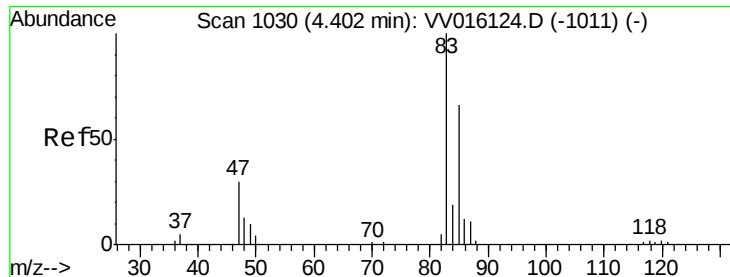
#22
 cis-1,2-Dichloroethene
 Concen: 86.643 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV016129.D
 Acq: 20 May 2020 14:19

Tgt Ion: 96 Resp: 764971
 Ion Ratio Lower Upper
 96 100
 61 139.9 97.2 180.6
 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

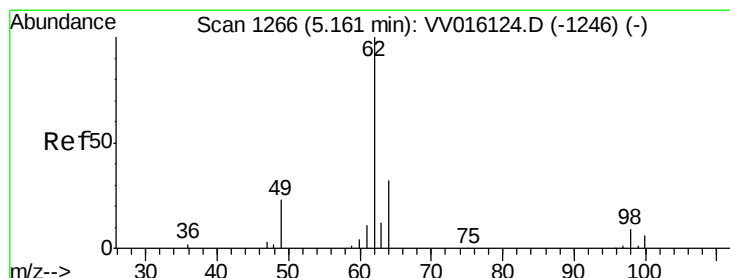
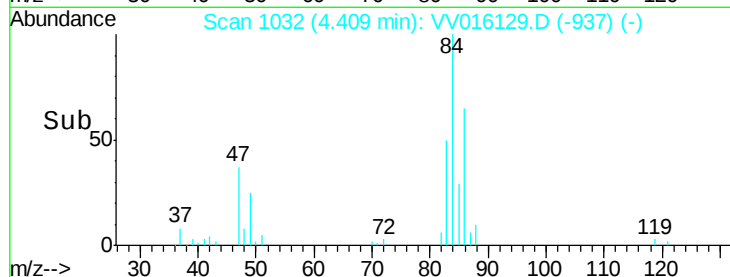
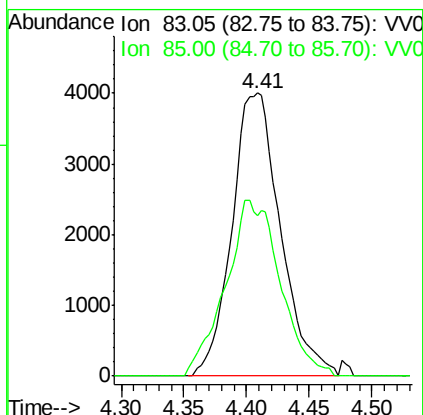
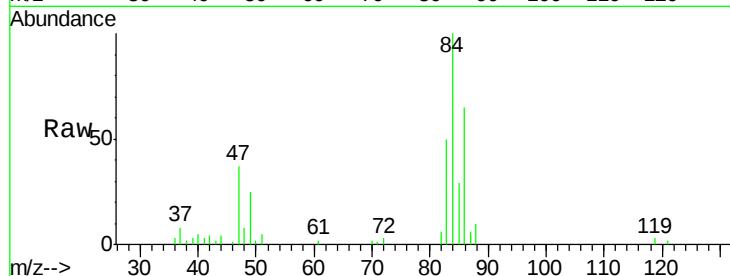




#25
Chloroform
Concen: 0.603 ug/L
RT: 4.41 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VV016129.D
Acq: 20 May 2020 14:19

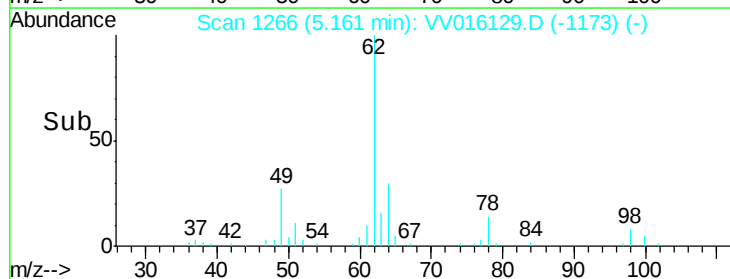
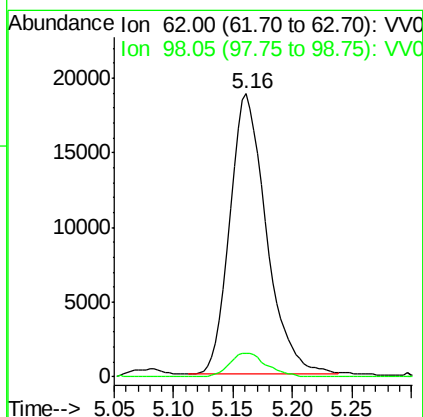
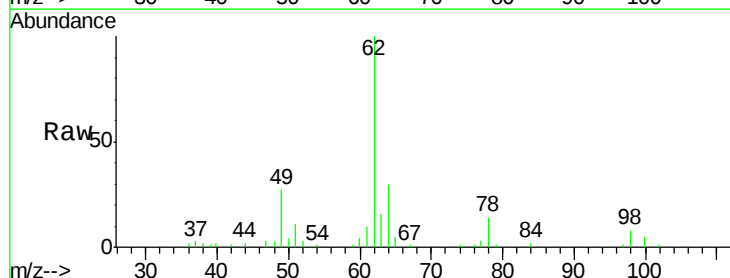
Instrument :
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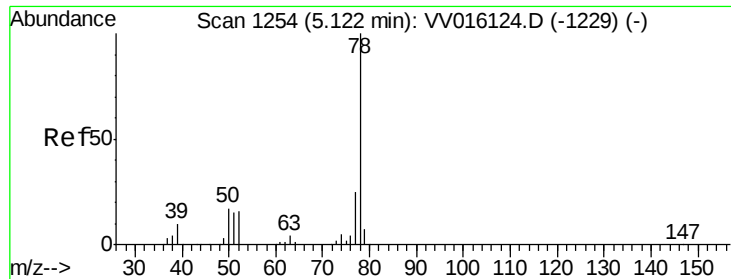
Tot Ion: 83 Resp: 10786
Ion Ratio Lower Upper
83 100
85 56.7 45.7 84.9



#27
1,2-Dichloroethane
Concen: 3.652 ug/L
RT: 5.16 min Scan# 1266
Delta R.T. -0.00 min
Lab File: VV016129.D
Acq: 20 May 2020 14:19

Tgt Ion: 62 Resp: 40144
Ion Ratio Lower Upper
62 100
98 8.5 6.7 10.1





#33

Benzene

Concen: 0.982 ug/L

RT: 5.13 min Scan# 1257

Delta R.T. 0.01 min

Lab File: VV016129.D

Acq: 20 May 2020 14:19

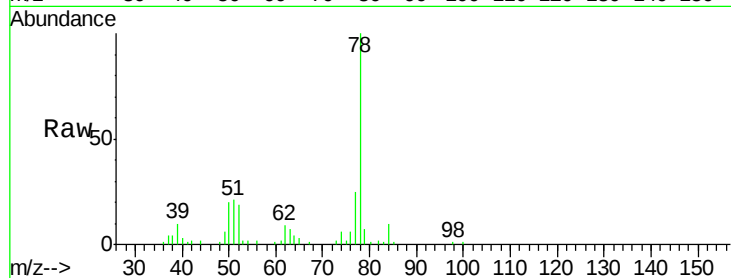
Instrument :

MSVOA_V

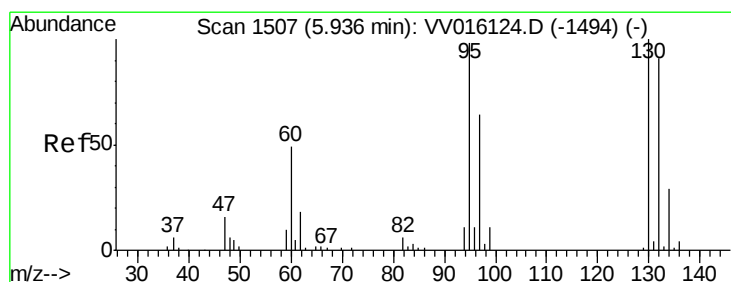
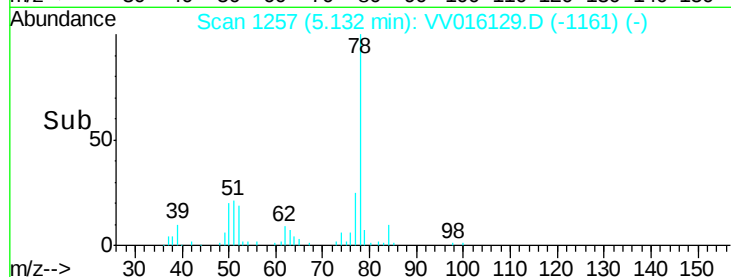
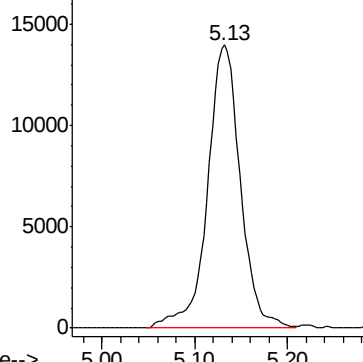
ClientSampleId :

F9B00

Tgt Ion: 78 Resp: 34355



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 15.725 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV016129.D

Acq: 20 May 2020 14:19

Tgt Ion: 95 Resp: 157032

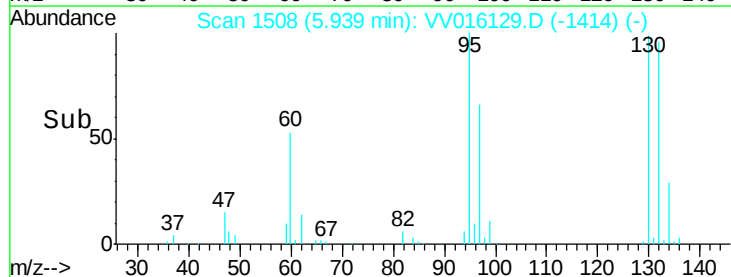
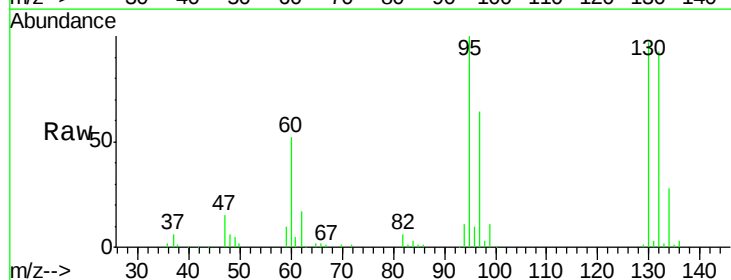
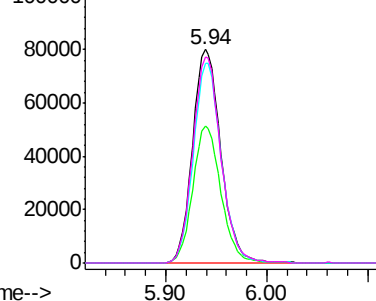
Ion	Ratio	Lower	Upper
95	100		
97	64.4	43.3	80.5
132	93.3	60.3	112.1
130	96.8	66.0	122.6

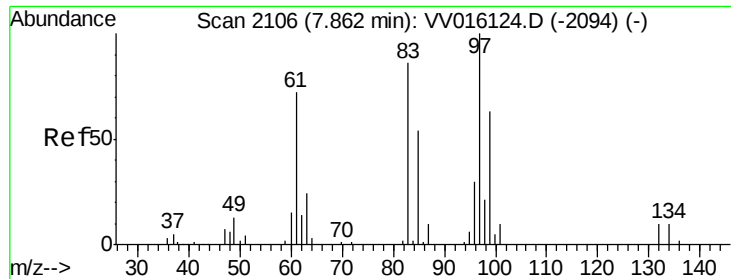
Abundance Ion 95.00 (94.70 to 95.70): VV0

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

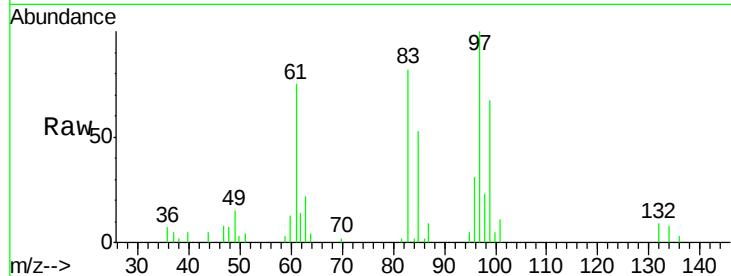




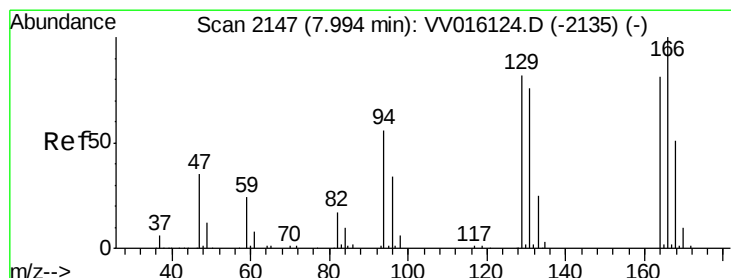
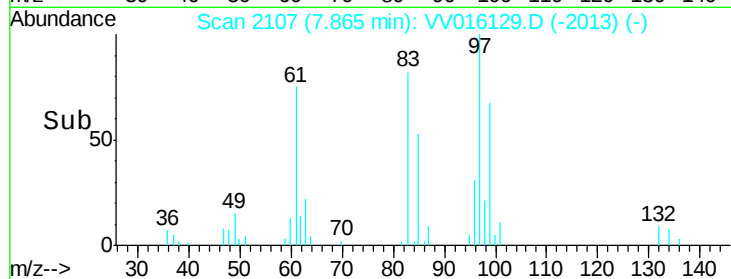
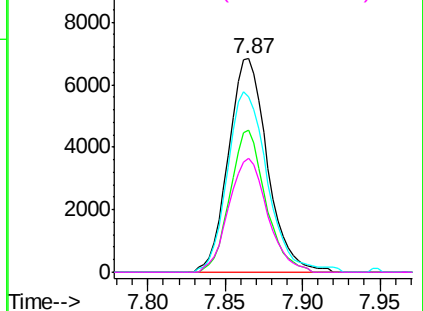
#47
 1,1,2-Trichloroethane
 Concen: 2.016 ug/L
 RT: 7.87 min Scan# 2107
 Delta R.T. 0.00 min
 Lab File: VV016129.D
 Acq: 20 May 2020 14:19

Instrument :
 MSVOA_V
 ClientSampleId :
 F9B00

Tot Ion:	97	Resp:	11966
Ion	Ratio	Lower	Upper
97	100		
99	66.8	42.1	78.1
83	81.9	59.2	110.0
85	53.4	38.6	71.8

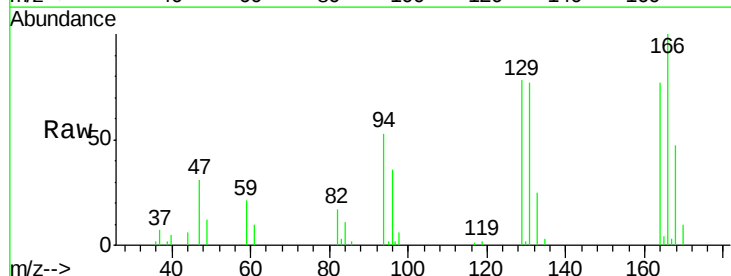


Abundance Ion 96.95 (96.65 to 97.65): VV016129.D (-2013) (-)

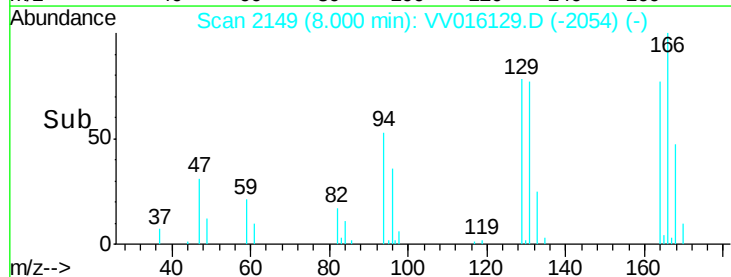
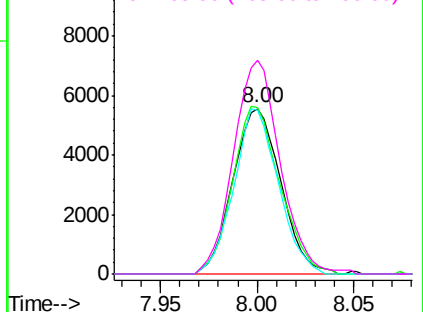


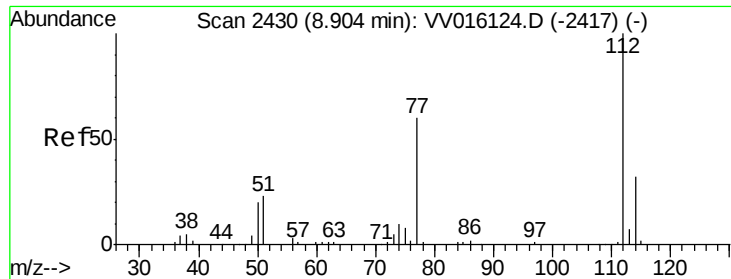
#49
 Tetrachloroethene
 Concen: 1.370 ug/L
 RT: 8.00 min Scan# 2149
 Delta R.T. 0.01 min
 Lab File: VV016129.D
 Acq: 20 May 2020 14:19

Tgt Ion:	164	Resp:	9548
Ion	Ratio	Lower	Upper
164	100		
129	100.6	69.7	129.4
131	98.9	66.8	124.2
166	129.1	89.1	165.5



Abundance Ion 163.90 (163.60 to 164.60): VV016129.D (-2054) (-)





#53

Chlorobenzene

Concen: 7.592 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VV016129.D

Acq: 20 May 2020 14:19

Instrument :

MSVOA_V

ClientSampleId :

F9B00

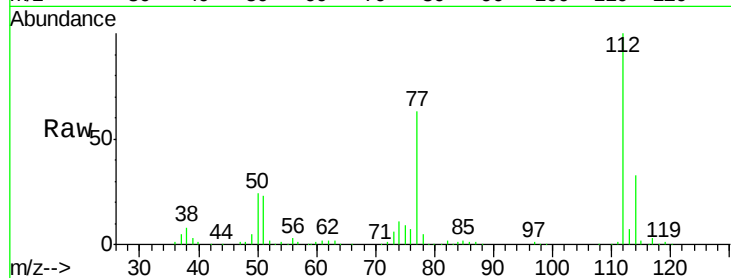
Tot Ion:112 Resp: 181064

Ion Ratio Lower Upper

112 100

114 32.5 21.6 40.0

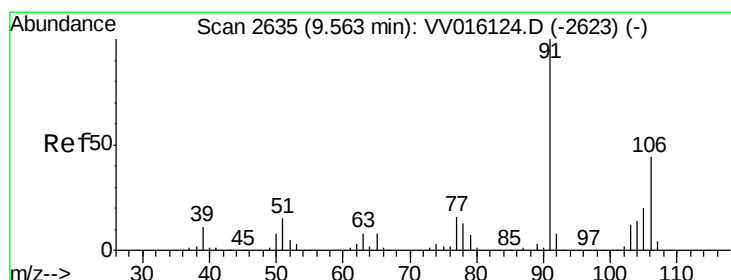
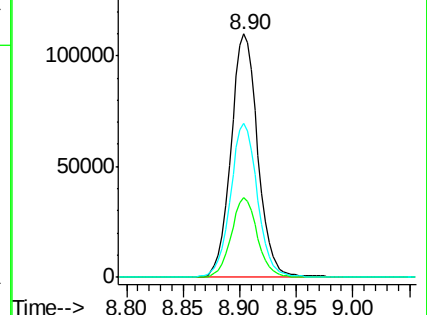
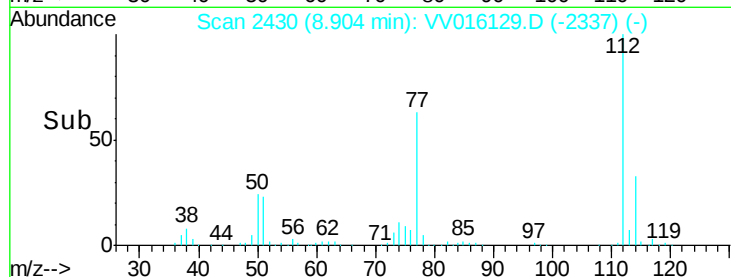
77 63.2 48.6 73.0



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): V



#56

o-xylene

Concen: 0.103 ug/L

RT: 9.57 min Scan# 2637

Delta R.T. 0.01 min

Lab File: VV016129.D

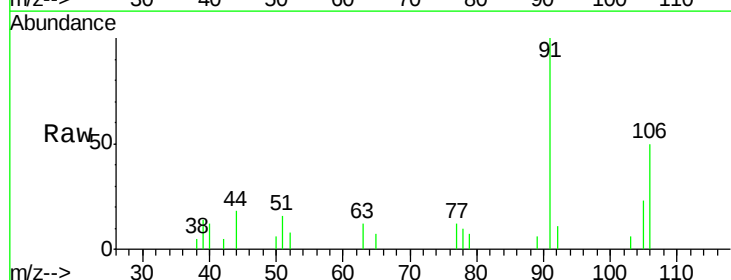
Acq: 20 May 2020 14:19

Tgt Ion:106 Resp: 1536

Ion Ratio Lower Upper

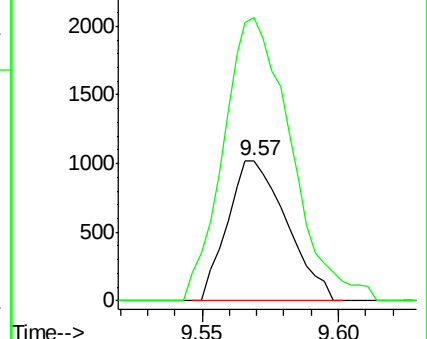
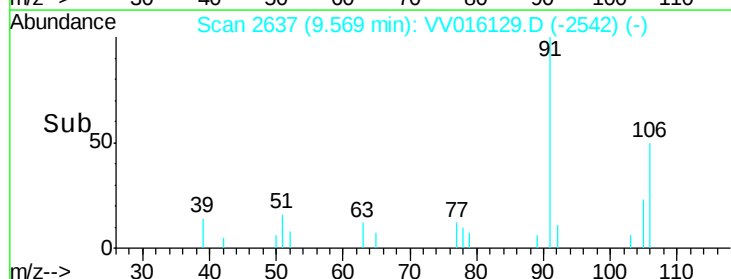
106 100

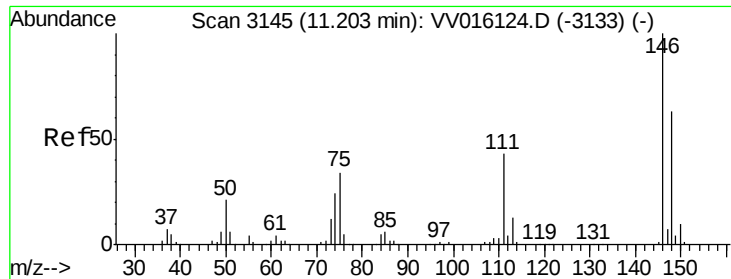
91 201.5 159.7 296.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): V

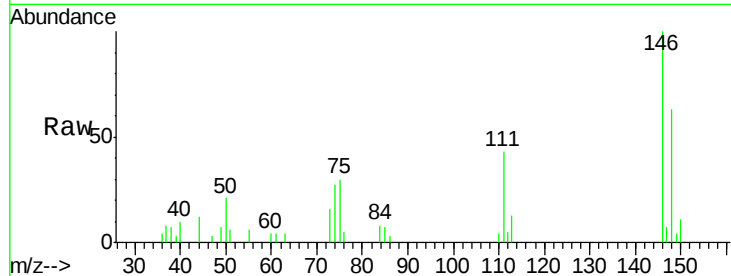




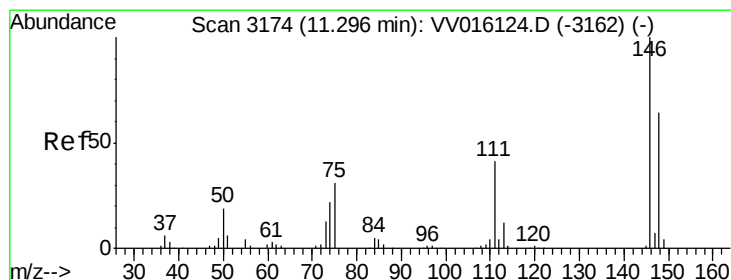
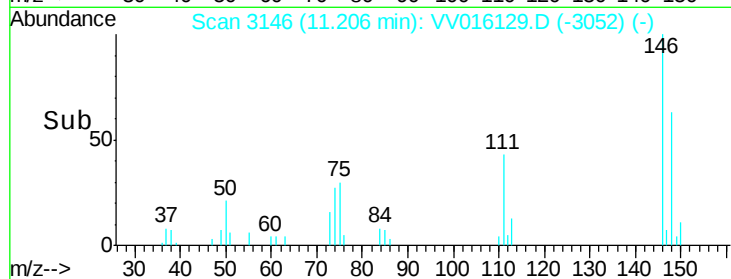
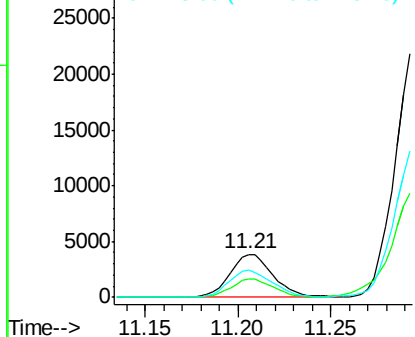
#63
 1,3-Dichlorobenzene
 Concen: 0.339 ug/L
 RT: 11.21 min Scan# 3146
 Delta R.T. 0.00 min
 Lab File: VV016129.D
 Acq: 20 May 2020 14:19

Instrument :
 MSVOA_V
 ClientSampled :
 F9B00

Tot Ion:146 Resp: 6204
 Ion Ratio Lower Upper
 146 100
 111 43.1 28.7 53.3
 148 63.2 44.0 81.8

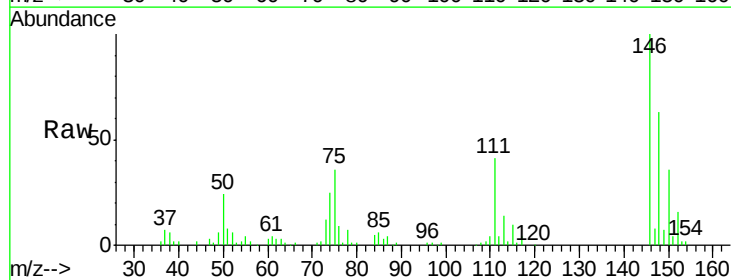


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

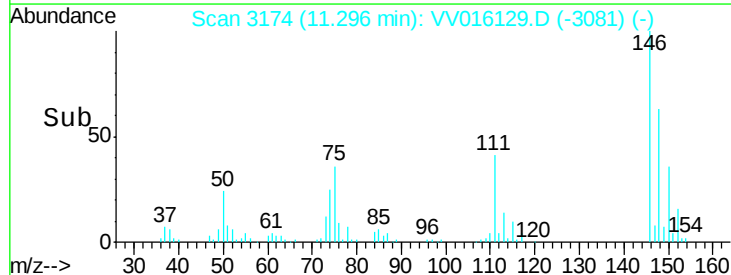
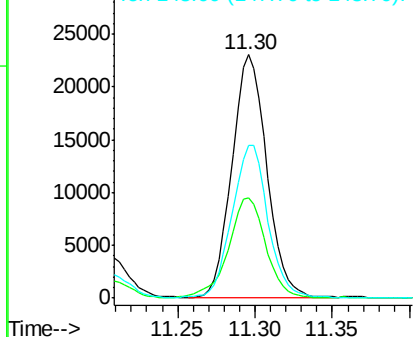


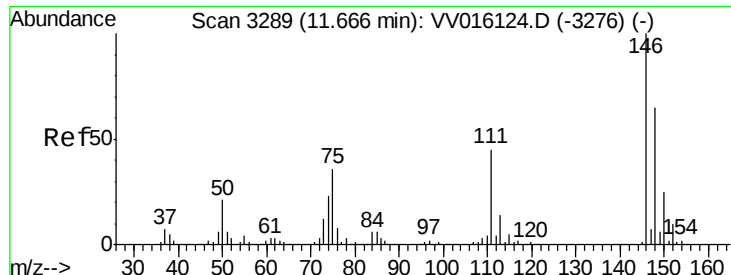
#64
 1,4-Dichlorobenzene
 Concen: 1.966 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. -0.00 min
 Lab File: VV016129.D
 Acq: 20 May 2020 14:19

Tgt Ion:146 Resp: 36113
 Ion Ratio Lower Upper
 146 100
 111 41.4 28.9 53.7
 148 62.8 44.6 82.8



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

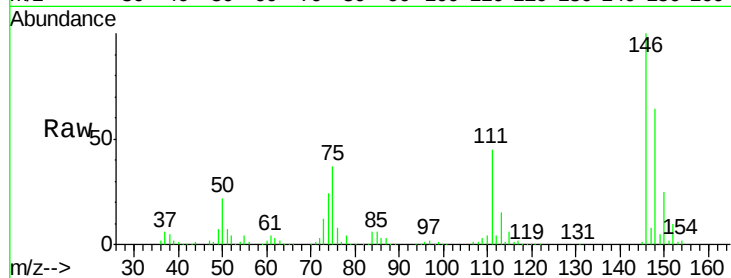




#66
 1,2-Dichlorobenzene
 Concen: 8.066 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV016129.D
 Acq: 20 May 2020 14:19

Instrument :
 MSVOA_V
 ClientSampleId :
 F9B00

Tot Ion:146 Resp: 133471
 Ion Ratio Lower Upper
 146 100
 111 44.8 37.0 55.4
 148 63.9 49.8 74.6



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

