

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052020\
 Data File : VV016132.D
 Acq On : 20 May 2020 15:29
 Operator : SY/MD
 Sample : L2725-04
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F9B04

Manual Integrations
 APPROVED

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 5/22/2020 11:27:15 AM

Quant Time: May 21 03:25:49 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	149099	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	147466	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	73331	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	33849	4.18	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.60%
7) Chloroethane-d5	1.58	69	35152	4.59	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.80%
11) 1,1-Dichloroethene-d2	2.13	63	64287	3.70	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.00%
20) 2-Butanone-d5	3.92	46	121143	52.50	ug/L	-0.07
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.00%
24) Chloroform-d	4.38	84	63927	3.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	72.40%
26) 1,2-Dichloroethane-d4	5.06	65	48409	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.60%
32) Benzene-d6	5.08	84	161481	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.00%
36) 1,2-Dichloropropane-d6	6.10	67	52105	4.87	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.40%
41) Toluene-d8	7.34	98	141306	4.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.20%
45) trans-1,3-Dichloropropene-	7.65	79	16772	3.99	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.80%
48) 2-Hexanone-d5	8.12	63	92406	50.04	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.08%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	38814	5.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	57056	4.79	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	216538	19.577	ug/L	100
12) 1,1-Dichloroethene	2.14	96	14553	1.774	ug/L	# 57
13) Acetone	2.22	43	2390m	1.570	ug/L	
18) trans-1,2-Dichloroethene	2.78	96	95055	10.483	ug/L	99
19) 1,1-Dichloroethane	3.22	63	2942	0.168	ug/L	96
22) cis-1,2-Dichloroethene	3.94	96	1307635	137.757	ug/L	99
25) Chloroform	4.41	83	26367	1.371	ug/L	97
27) 1,2-Dichloroethane	5.16	62	203483	17.218	ug/L	99
33) Benzene	5.13	78	53342	1.438	ug/L	100
34) Trichloroethene	5.94	95	742734	70.138	ug/L	96
42) Toluene	7.41	91	4275	0.109	ug/L	97
47) 1,1,2-Trichloroethane	7.86	97	104172	16.549	ug/L	97
49) Tetrachloroethene	8.00	164	3991	0.540	ug/L	93
53) Chlorobenzene	8.90	112	73601	2.910	ug/L	95
56) o-xylene	9.57	106	9210	0.582	ug/L	85
60) 1,1,2,2-Tetrachloroethane	10.26	83	41287	6.138	ug/L	99
63) 1,3-Dichlorobenzene	11.21	146	6071	0.307	ug/L	94

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QLast Update : Thu May 21 01:36:12 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
64) 1,4-Dichlorobenzene	11.30	146	33331	1.679	ug/L	98
66) 1,2-Dichlorobenzene	11.67	146	133824	7.484	ug/L	98

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

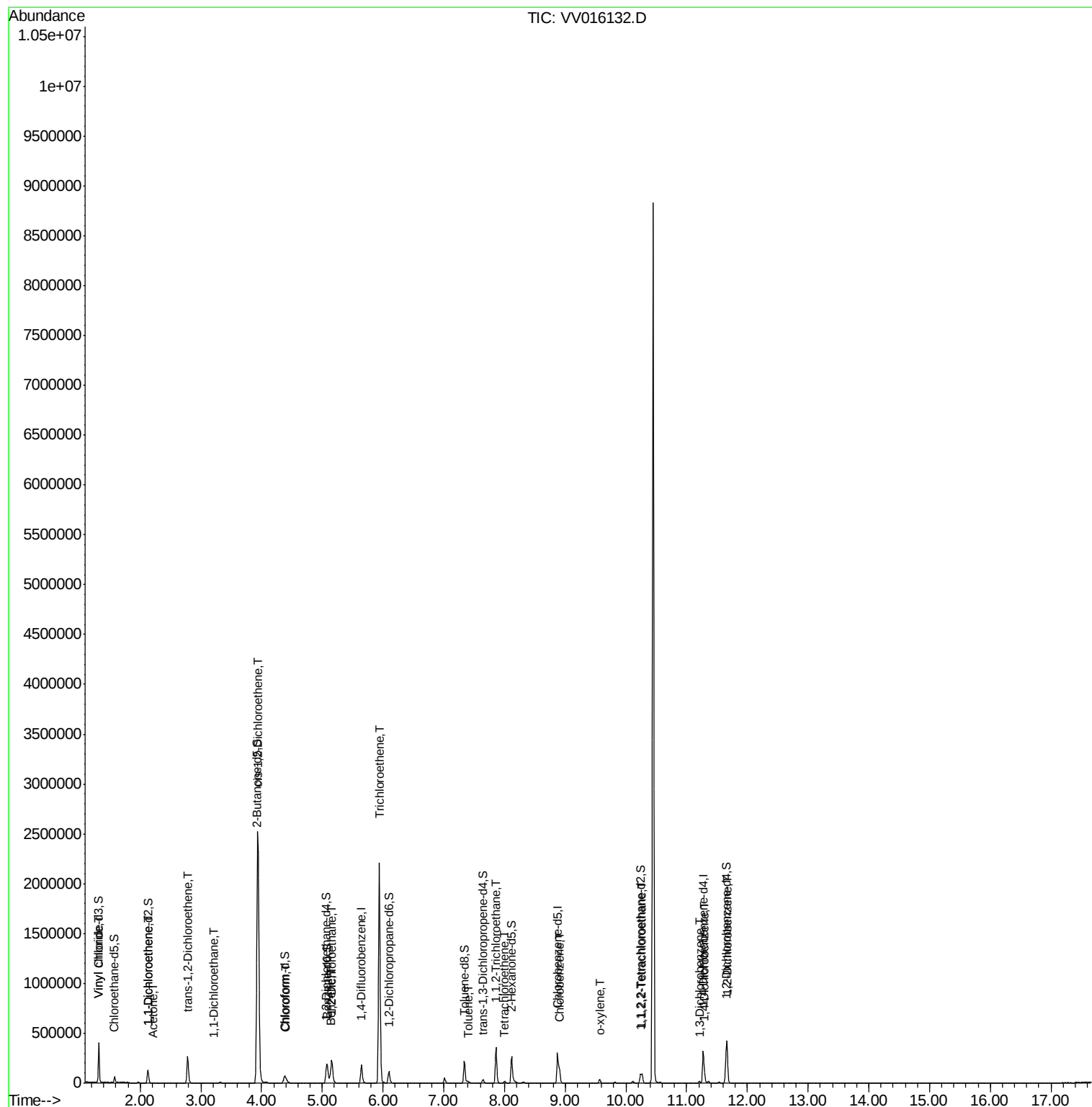
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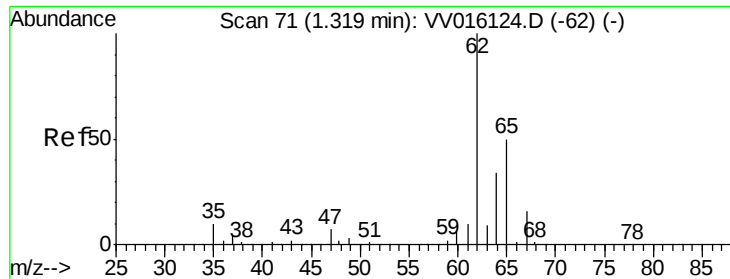
Instrument :
MSVOA_V
ClientSampleId :
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QLast Update : Thu May 21 01:36:12 2020
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#5

Vinyl chloride

Concen: 19.577 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV016132.D

Acq: 20 May 2020 15:29

Instrument :

MSVOA_V

ClientSampled :

F9B04

Tot Ion: 62 Resp: 216538

Ion Ratio Lower Upper

62 100

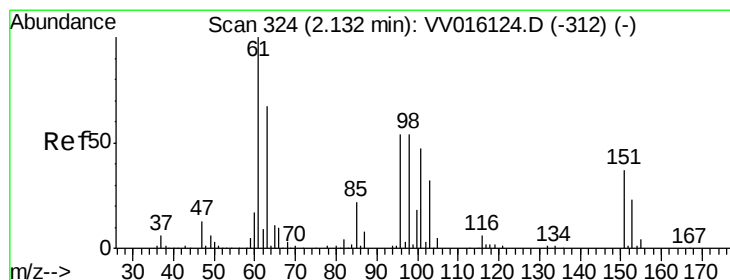
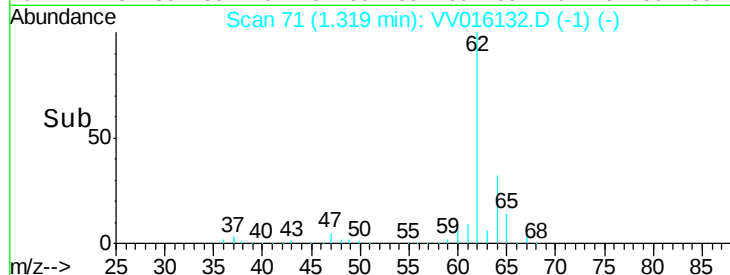
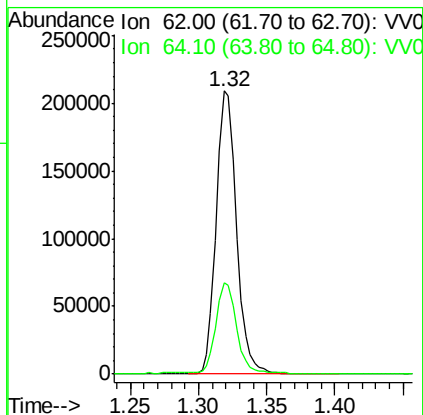
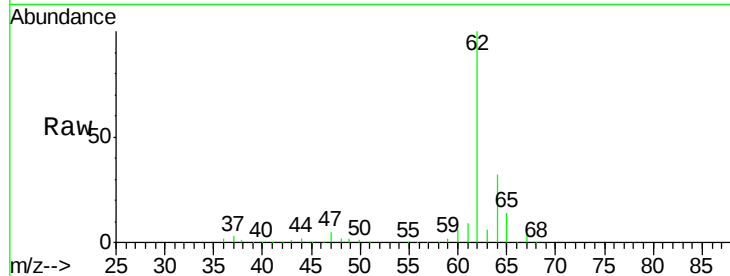
64 32.1 22.4 41.6

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#12

1,1-Dichloroethene

Concen: 1.774 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV016132.D

Acq: 20 May 2020 15:29

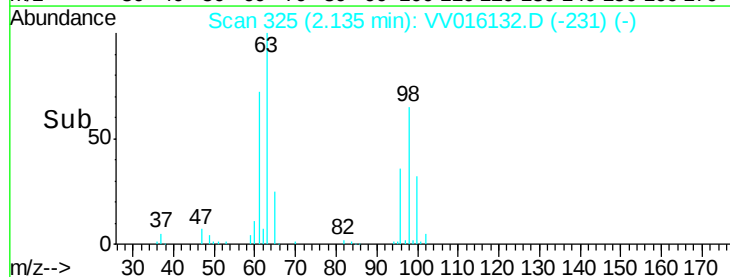
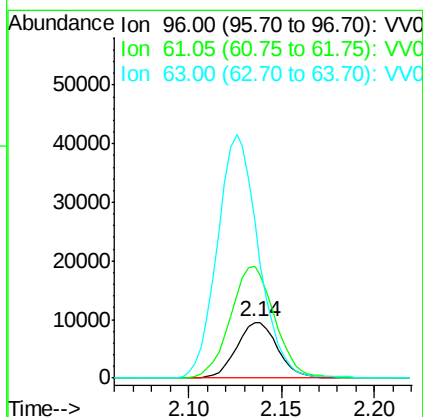
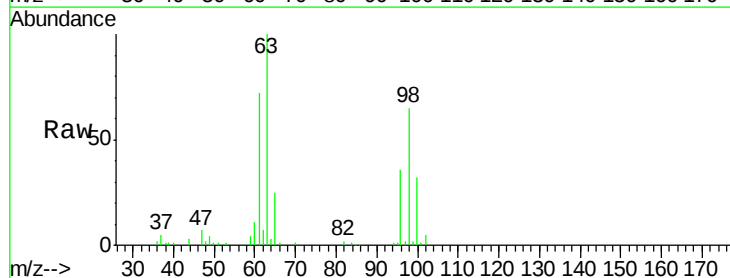
Tgt Ion: 96 Resp: 14553

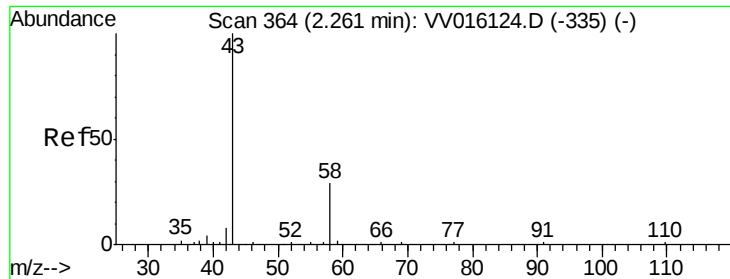
Ion Ratio Lower Upper

96 100

61 199.7 139.9 259.7

63 278.7 106.4 197.6#





#13

Acetone

Concen: 1.570 ug/L m

RT: 2.22 min Scan# 350

Delta R.T. -0.05 min

Lab File: VV016132.D

Acq: 20 May 2020 15:29

Instrument :

MSVOA_V

ClientSampled :

F9B04

Tot Ion: 43 Resp: 2390

Ion Ratio Lower Upper

43 100

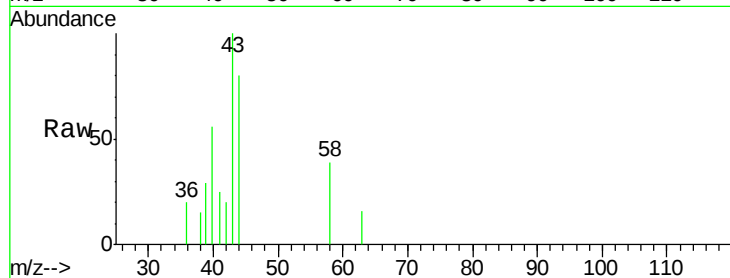
58 5.1 0.0 30.8

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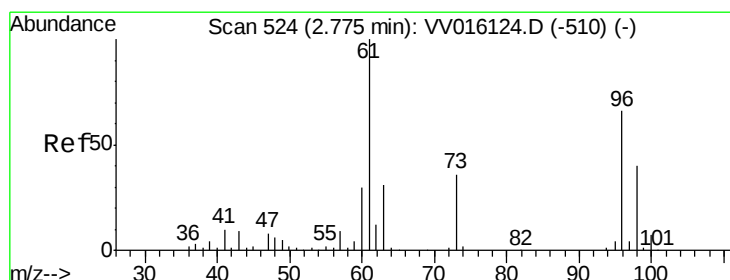
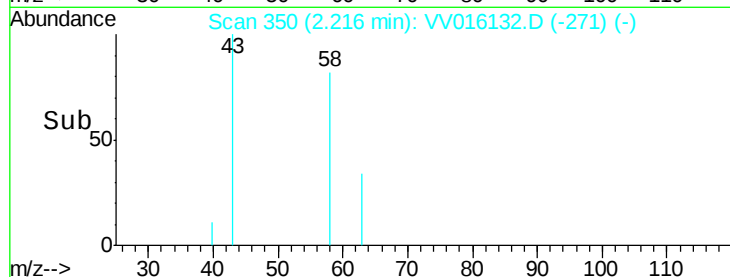
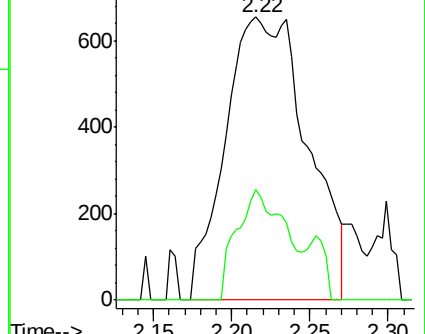
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Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#18

trans-1,2-Dichloroethene

Concen: 10.483 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.01 min

Lab File: VV016132.D

Acq: 20 May 2020 15:29

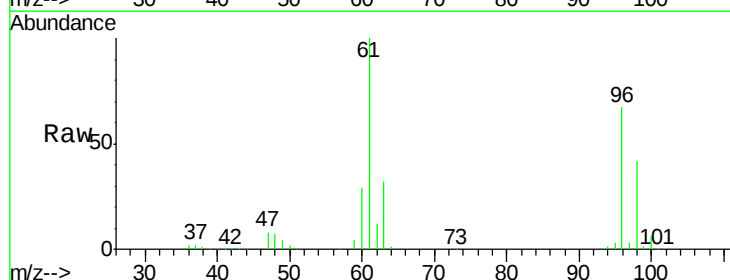
Tgt Ion: 96 Resp: 95055

Ion Ratio Lower Upper

96 100

61 149.0 105.3 195.5

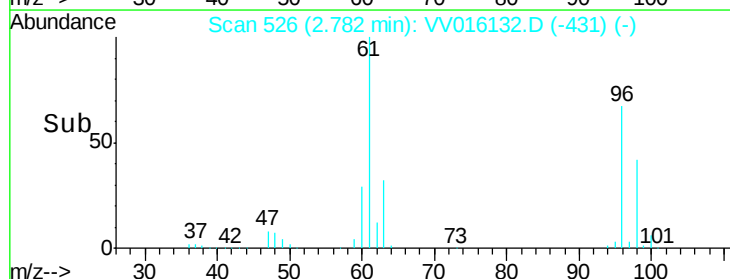
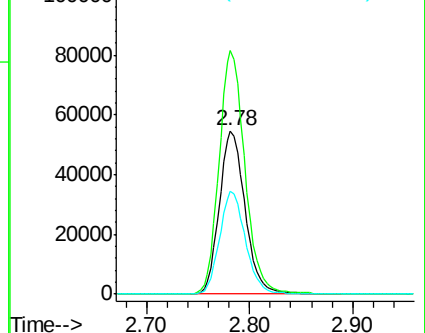
98 62.6 44.0 81.6

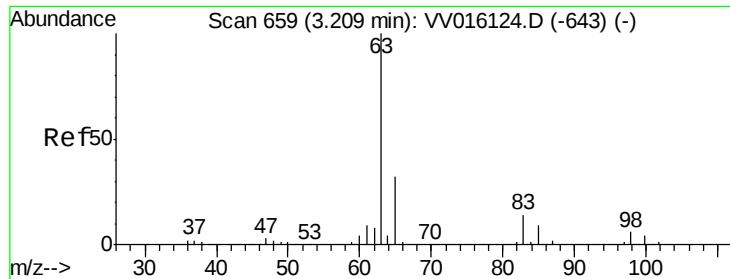


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0





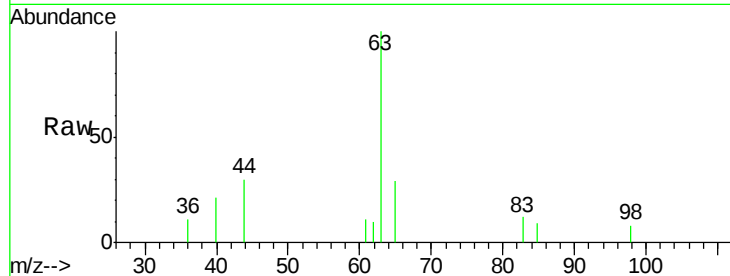
#19
 1,1-Dichloroethane
 Concen: 0.168 ug/L
 RT: 3.22 min Scan# 662
 Delta R.T. 0.01 min
 Lab File: VV016132.D
 Acq: 20 May 2020 15:29

Instrument :
 MSVOA_V
 ClientSampleId :
 F9B04

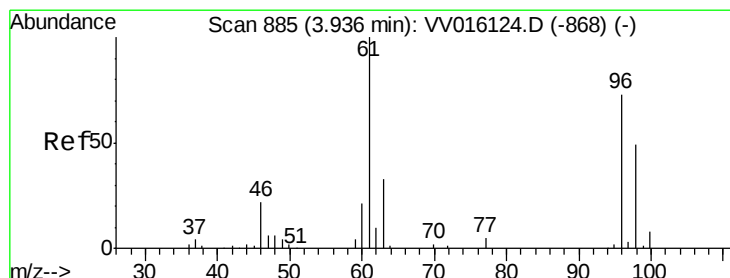
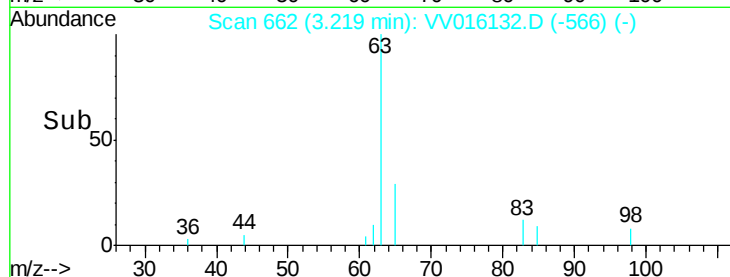
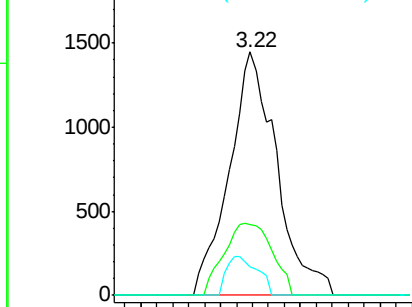
Tot Ion	Ratio	Lower	Upper
63	100		
65	29.3	22.0	41.0
83	11.8	9.8	18.2

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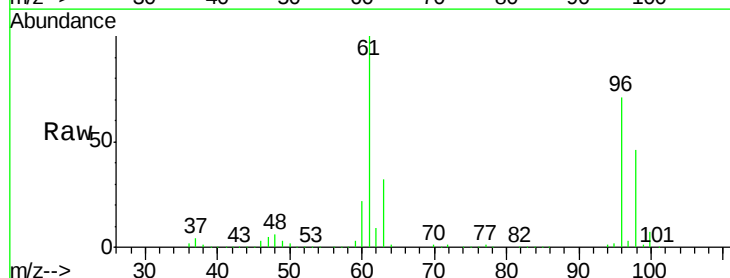


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

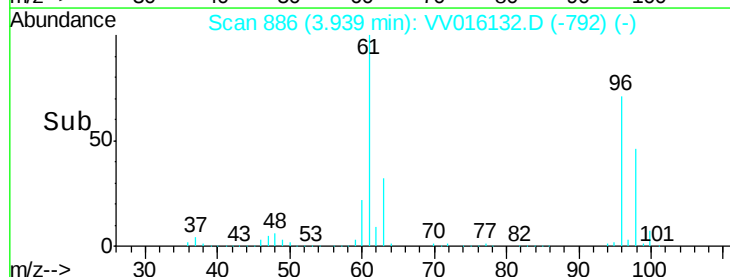
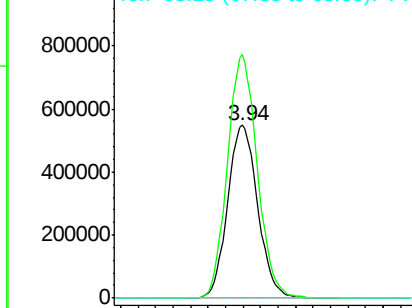


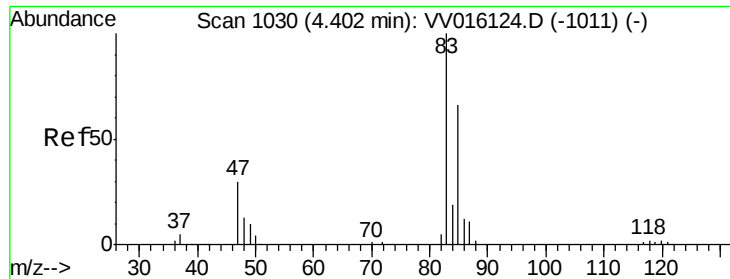
#22
 cis-1,2-Dichloroethene
 Concen: 137.757 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV016132.D
 Acq: 20 May 2020 15:29

Tgt Ion	Ratio	Lower	Upper
96	100		
61	140.7	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





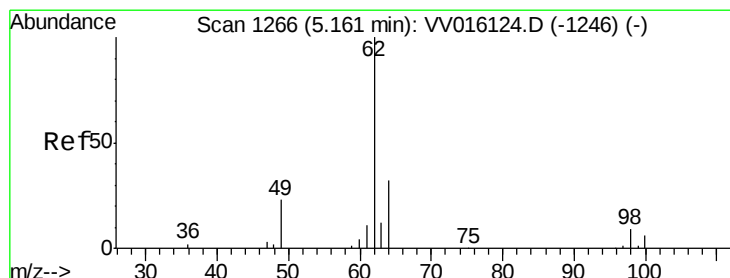
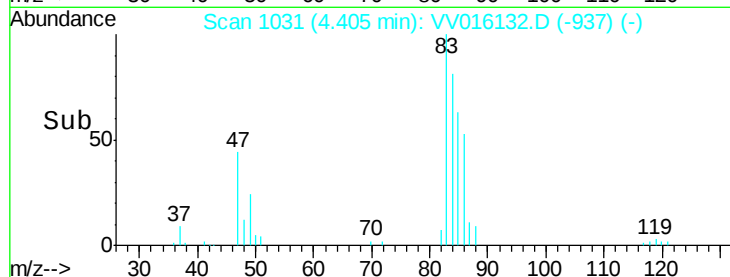
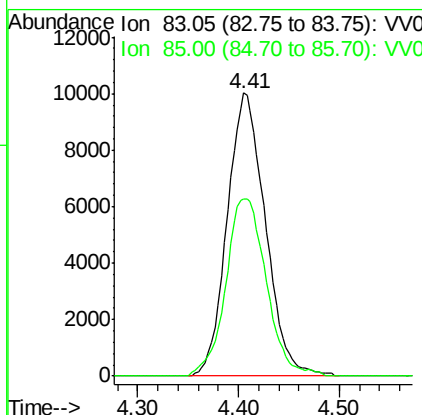
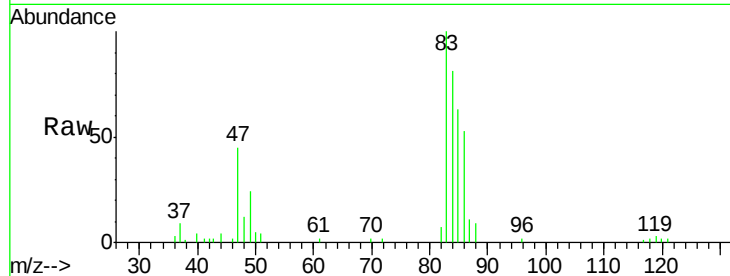
#25
Chloroform
Concen: 1.371 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV016132.D
Acq: 20 May 2020 15:29

Instrument :
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ClientSampled :
F9B04

Tot Ion: 83 Resp: 26367
Ion Ratio Lower Upper
83 100
85 62.6 45.7 84.9

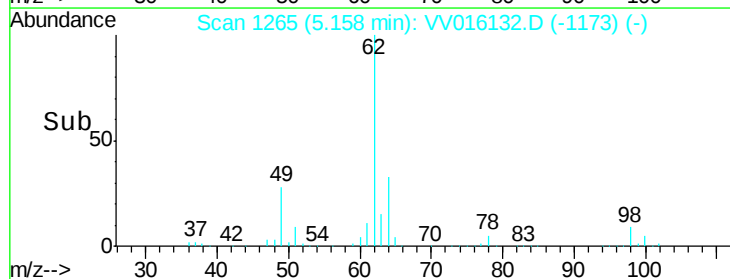
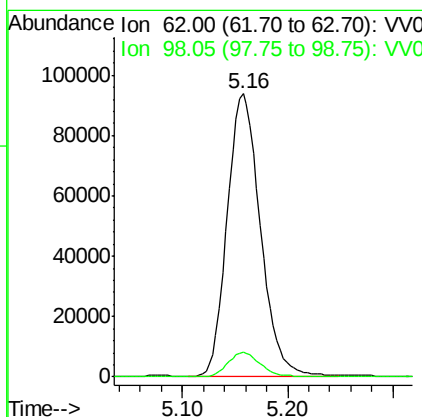
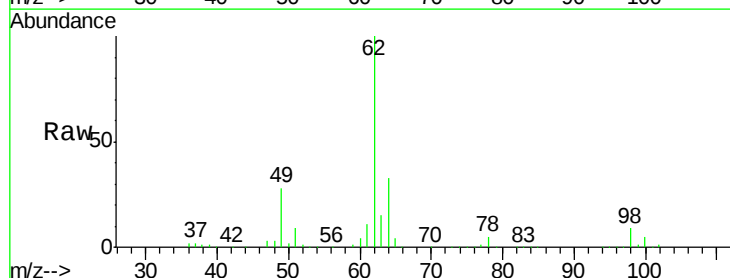
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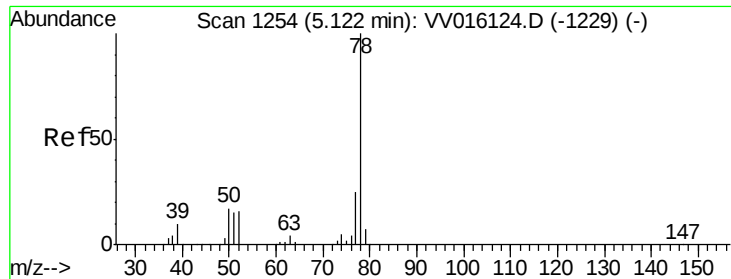
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#27
1,2-Dichloroethane
Concen: 17.218 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VV016132.D
Acq: 20 May 2020 15:29

Tgt Ion: 62 Resp: 203483
Ion Ratio Lower Upper
62 100
98 8.6 6.7 10.1





#33

Benzene

Concen: 1.438 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. 0.01 min

Lab File: VV016132.D

Acq: 20 May 2020 15:29

Instrument :

MSVOA_V

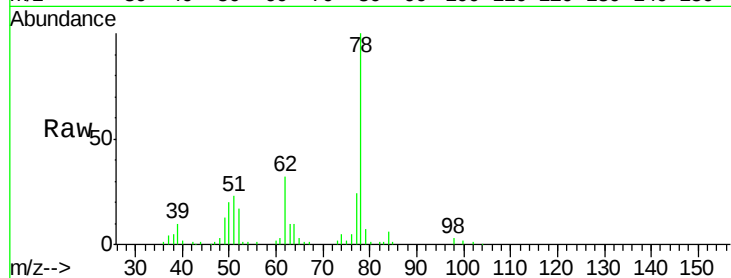
ClientSampled :

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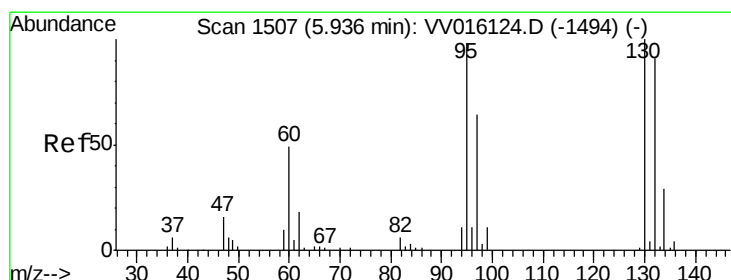
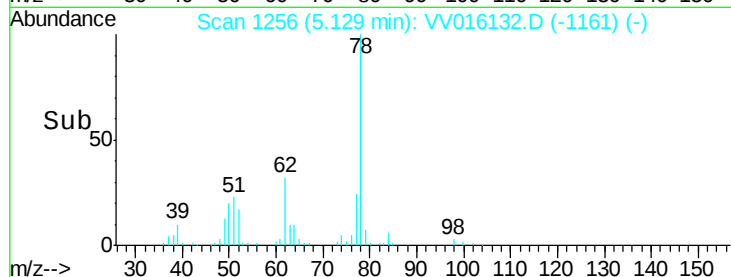
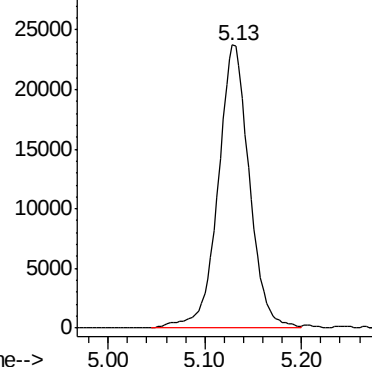
Tgt Ion: 78 Resp: 53342

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Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 70.138 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV016132.D

Acq: 20 May 2020 15:29

Tgt Ion: 95 Resp: 742734

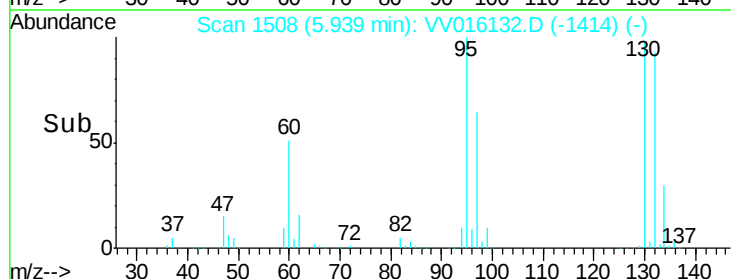
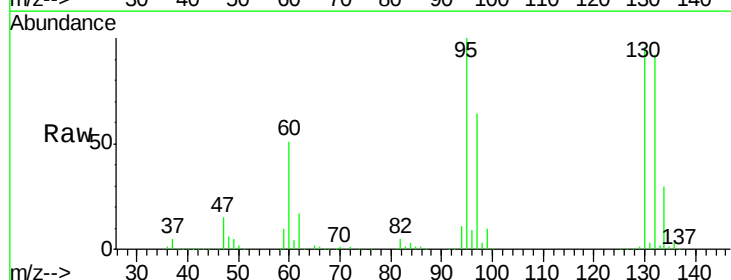
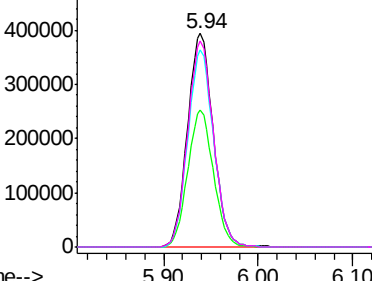
Ion	Ratio	Lower	Upper
95	100		
97	64.1	43.3	80.5
132	92.2	60.3	112.1
130	96.3	66.0	122.6

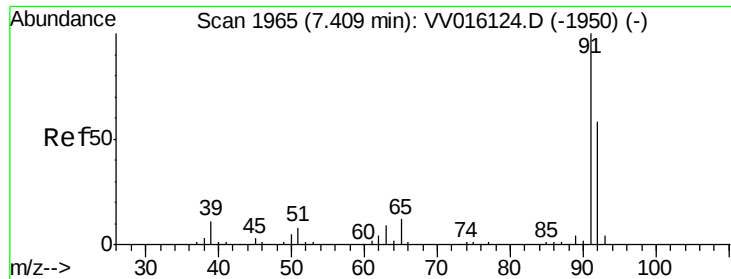
Abundance Ion 95.00 (94.70 to 95.70): VV0

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





#42

Toluene

Concen: 0.109 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. 0.01 min

Lab File: VV016132.D

Acq: 20 May 2020 15:29

Instrument :

MSVOA_V

ClientSampleId :

F9B04

Tot Ion: 91 Resp: 4275

Ion Ratio Lower Upper

91 100

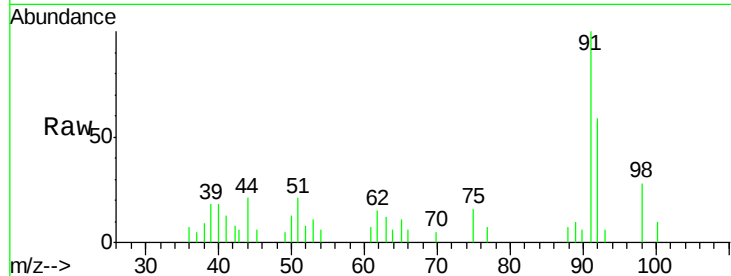
92 59.2 40.1 74.5

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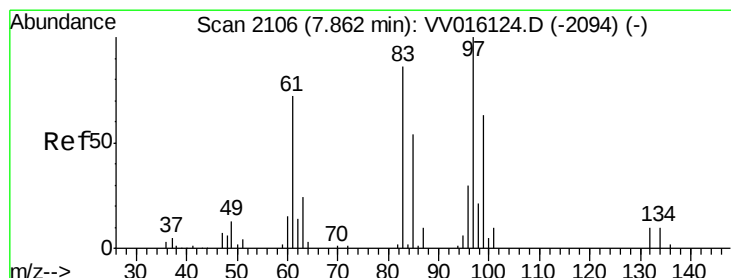
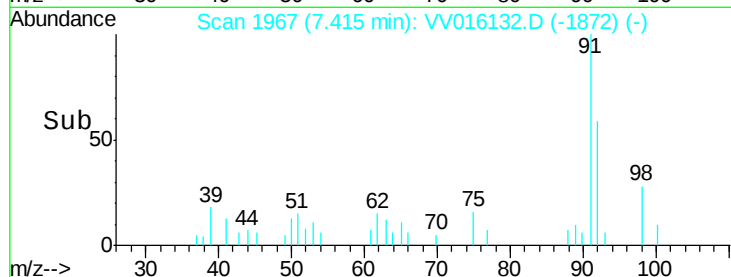
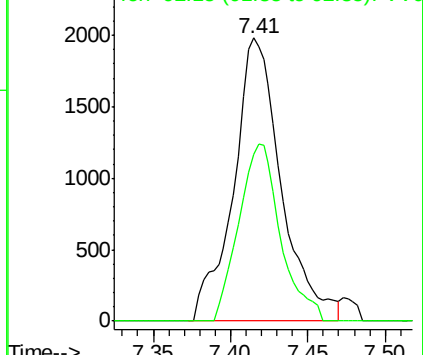
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Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#47

1,1,2-Trichloroethane

Concen: 16.549 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. -0.00 min

Lab File: VV016132.D

Acq: 20 May 2020 15:29

Tgt Ion: 97 Resp: 104172

Ion Ratio Lower Upper

97 100

99 62.7 42.1 78.1

83 87.7 59.2 110.0

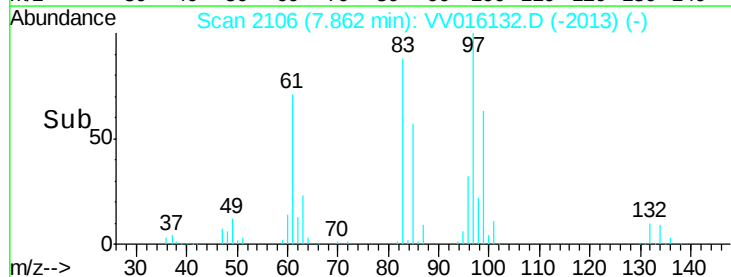
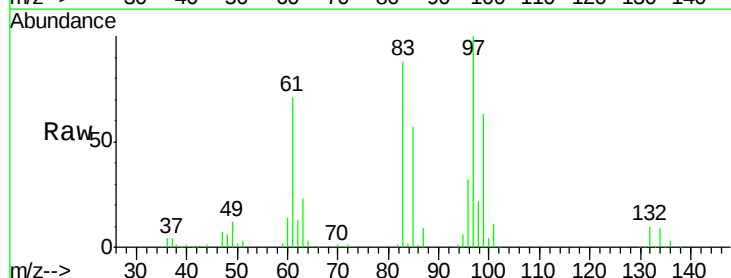
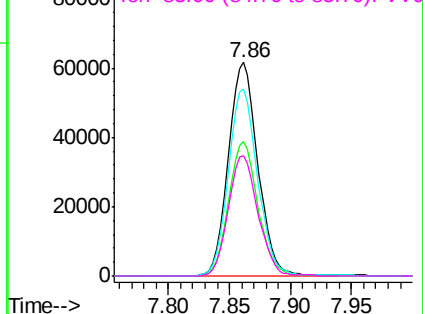
85 56.6 38.6 71.8

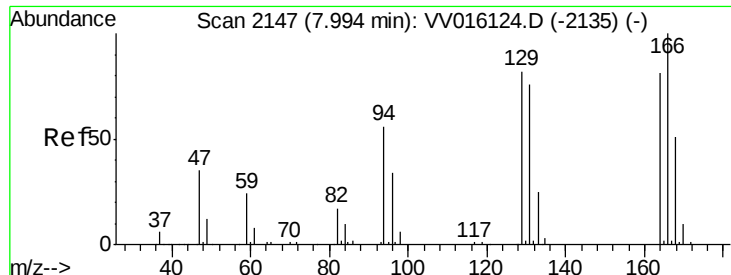
Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0





#49

Tetrachloroethene

Concen: 0.540 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.01 min

Lab File: VV016132.D

Acq: 20 May 2020 15:29

Instrument :

MSVOA_V

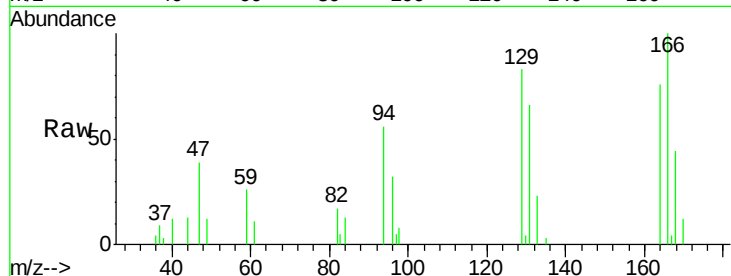
ClientSampled :

F9B04

Tot Ion	164	Resp:	3991
Ion	Ratio	Lower	Upper
164	100		
129	109.4	69.7	129.4
131	87.0	66.8	124.2
166	131.0	89.1	165.5

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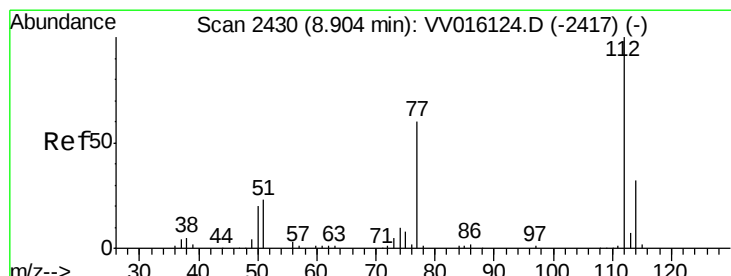
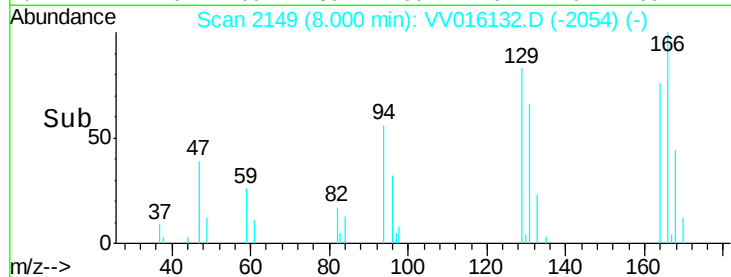
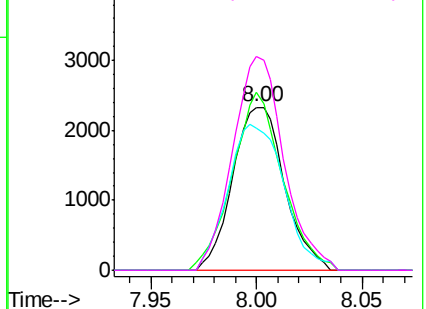


Abundance Ion 163.90 (163.60 to 164.60): V

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



#53

Chlorobenzene

Concen: 2.910 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VV016132.D

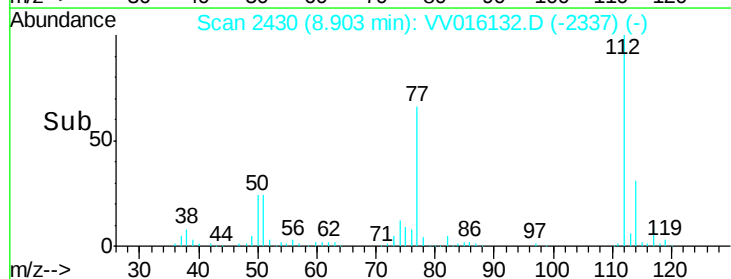
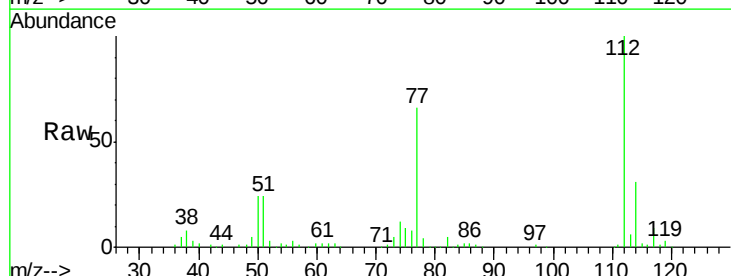
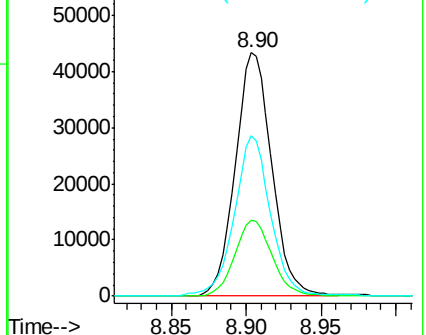
Acq: 20 May 2020 15:29

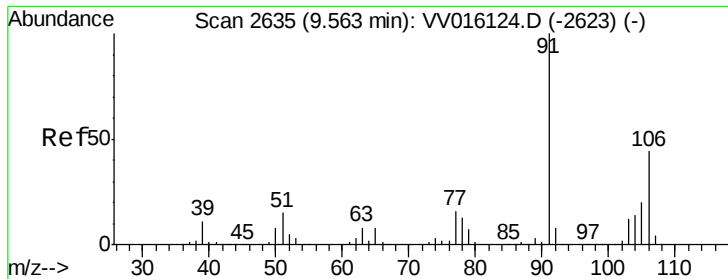
Tgt Ion	112	Resp:	73601
Ion	Ratio	Lower	Upper
112	100		
114	31.3	21.6	40.0
77	65.8	48.6	73.0

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): VV0





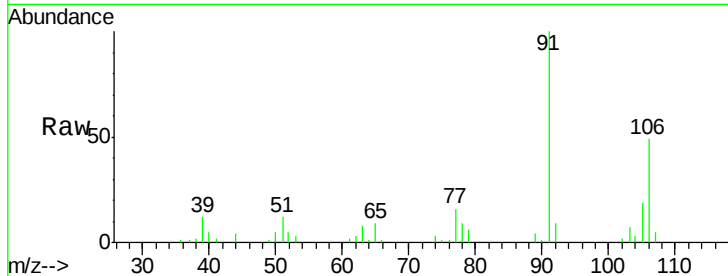
#56
o-xylene
Concen: 0.582 ug/L
RT: 9.57 min Scan# 2637
Delta R.T. 0.01 min
Lab File: VV016132.D
Acq: 20 May 2020 15:29

Instrument :
MSVOA_V
ClientSampled :
F9B04

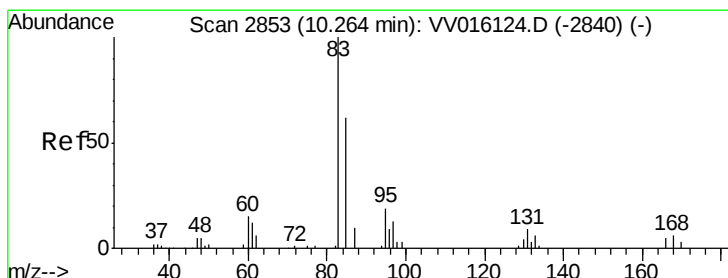
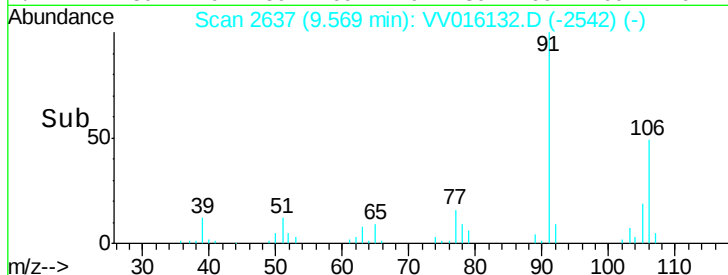
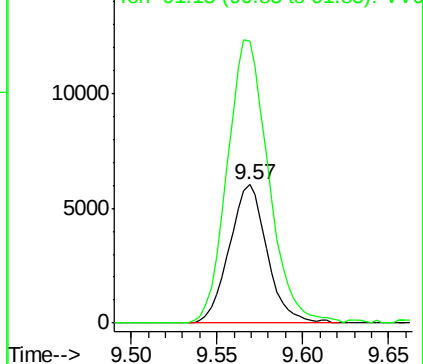
Tot Ion:106 Resp: 9210
Ion Ratio Lower Upper
106 100
91 203.6 159.7 296.5

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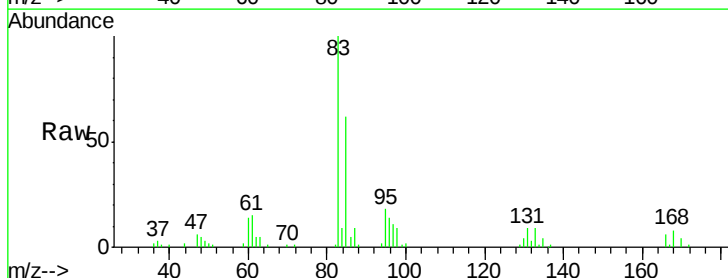


Abundance Ion 106.15 (105.85 to 106.85): VV016132.D (-2542) (-)
Ion 91.15 (90.85 to 91.85): VV016132.D (-2542) (-)

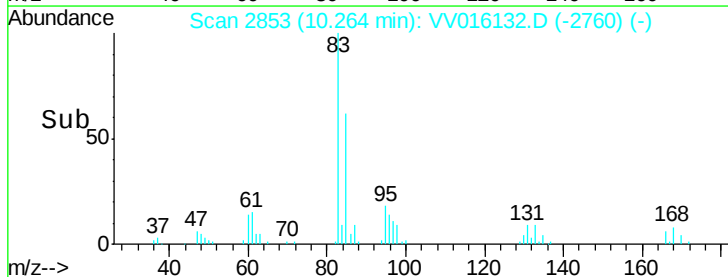
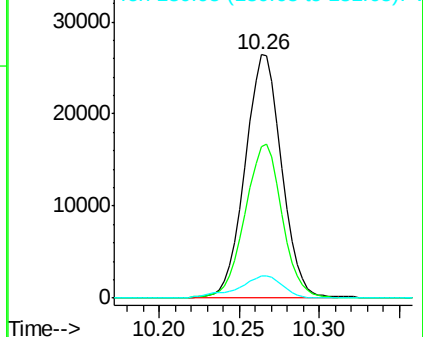


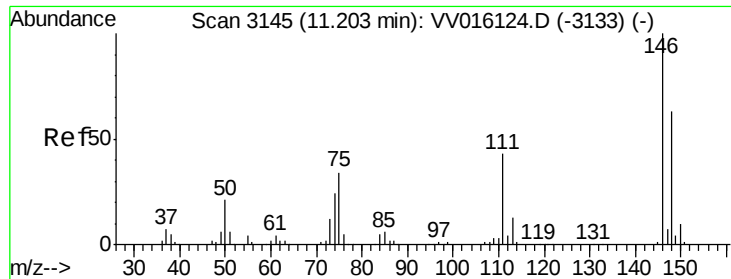
#60
1,1,2,2-Tetrachloroethane
Concen: 6.138 ug/L
RT: 10.26 min Scan# 2853
Delta R.T. -0.00 min
Lab File: VV016132.D
Acq: 20 May 2020 15:29

Tgt Ion: 83 Resp: 41287
Ion Ratio Lower Upper
83 100
85 62.0 44.0 81.6
131 9.2 7.7 11.5



Abundance Ion 82.95 (82.65 to 83.65): VV016132.D (-2760) (-)
Ion 85.00 (84.70 to 85.70): VV016132.D (-2760) (-)
Ion 130.95 (130.65 to 131.65): VV016132.D (-2760) (-)





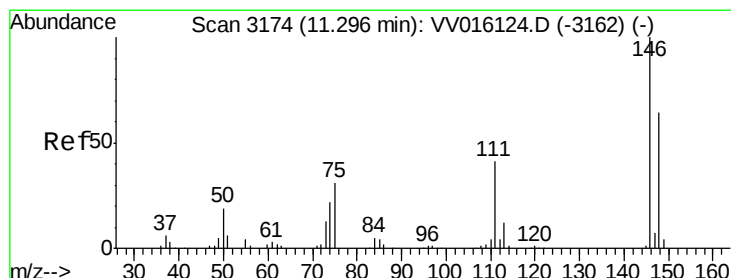
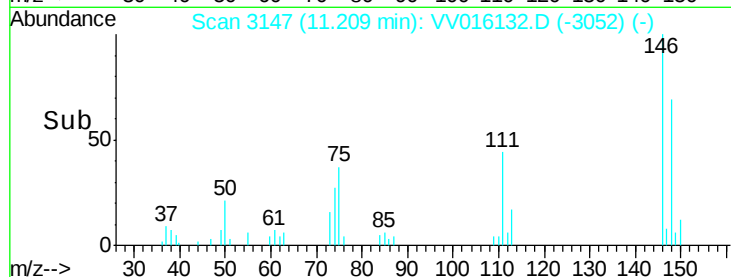
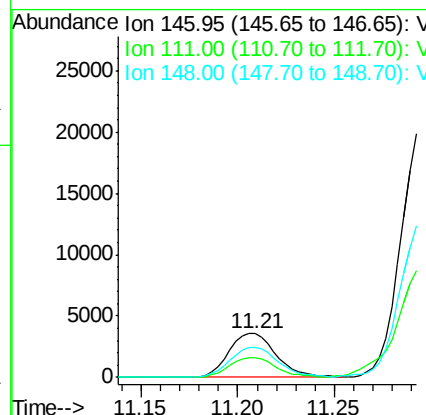
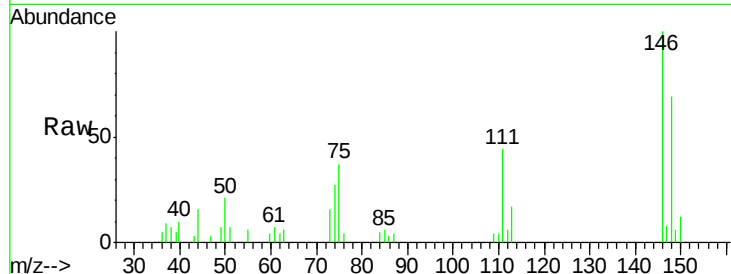
#63
 1,3-Dichlorobenzene
 Concen: 0.307 ug/L
 RT: 11.21 min Scan# 3147
 Delta R.T. 0.01 min
 Lab File: VV016132.D
 Acq: 20 May 2020 15:29

Instrument :
 MSVOA_V
 ClientSampled :
 F9B04

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.8	28.7	53.3
148	68.8	44.0	81.8

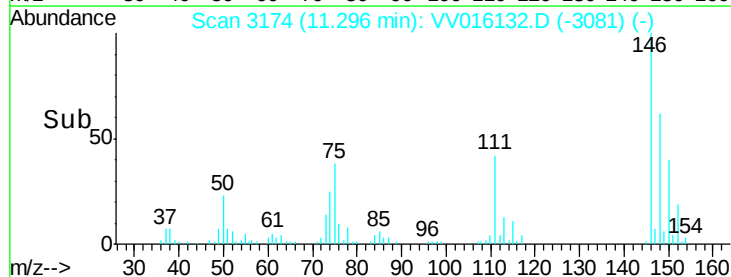
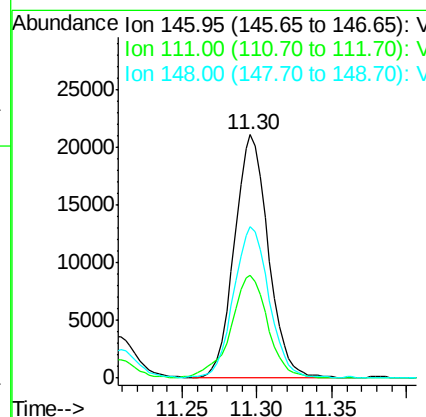
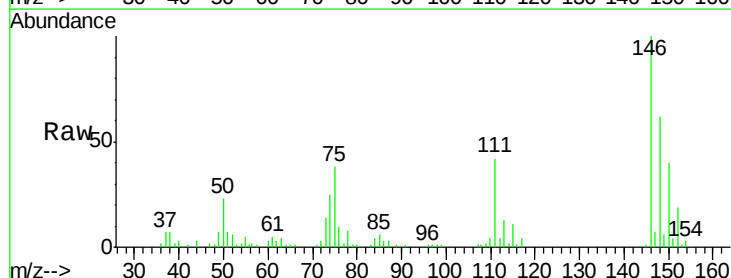
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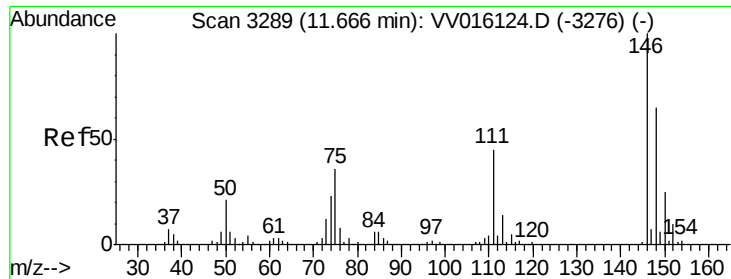
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#64
 1,4-Dichlorobenzene
 Concen: 1.679 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. -0.00 min
 Lab File: VV016132.D
 Acq: 20 May 2020 15:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.3	28.9	53.7
148	62.2	44.6	82.8





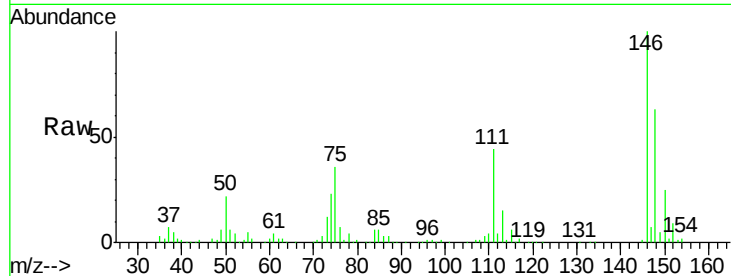
#66
 1,2-Dichlorobenzene
 Concen: 7.484 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV016132.D
 Acq: 20 May 2020 15:29

Instrument :
 MSVOA_V
 ClientSampleId :
 F9B04

Tot Ion	Ratio	Resp	Lower	Upper
146	100	133824		
111	44.3		37.0	55.4
148	63.1		49.8	74.6

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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

