

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV071719\
 Data File : VV011918.D
 Acq On : 17 Jul 2019 18:13
 Operator : SY/MD
 Sample : K3823-08
 Misc : 25ML/MSVOA V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A52K8

Quant Time: Jul 18 03:59:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jul 18 02:17:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	159224	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	150780	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	66851	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	57995	4.96	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.20%
7) Chloroethane-d5	1.58	69	44923	4.64	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.80%
11) 1,1-Dichloroethene-d2	2.14	63	133829	6.99	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	139.80%#
20) 2-Butanone-d5	3.97	46	177947	60.25	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	120.50%
24) Chloroform-d	4.40	84	111930	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
26) 1,2-Dichloroethane-d4	5.08	65	60791	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.00%
32) Benzene-d6	5.10	84	222431	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.40%
36) 1,2-Dichloropropane-d6	6.12	67	69923	5.20	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.00%
41) Toluene-d8	7.36	98	190521	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.20%
43) trans-1,3-Dichloropropene-	7.67	79	22931	4.61	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.20%
46) 2-Hexanone-d5	8.14	63	95460	47.68	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.36%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	41588	4.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	68912	5.16	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	103.20%

Target Compounds

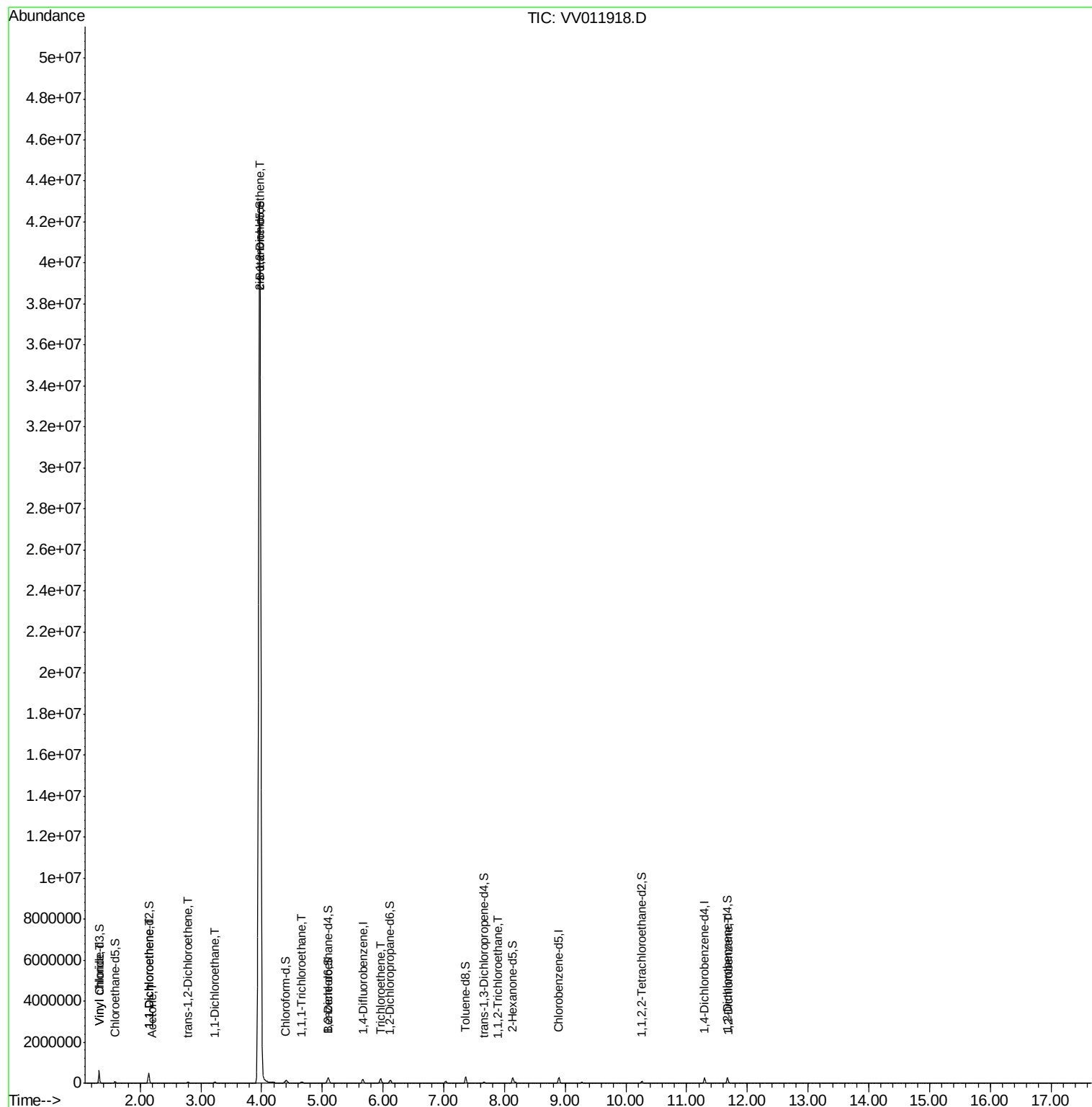
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.33	62	317455	20.882	ug/L	98
12) 1,1-Dichloroethene	2.14	96	113408	13.363	ug/L #	85
13) Acetone	2.19	43	10044	6.701	ug/L	97
18) trans-1,2-Dichloroethene	2.79	96	17108	1.434	ug/L	96
19) 1,1-Dichloroethane	3.23	63	53448	2.376	ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	23883049	1944.335	ug/L	70
29) 1,1,1-Trichloroethane	4.66	97	46739	2.522	ug/L	98
34) Trichloroethene	5.96	95	71591	5.460	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	1440	0.185	ug/L	96
65) 1,2-Dichlorobenzene	11.69	146	3111	0.154	ug/L	96

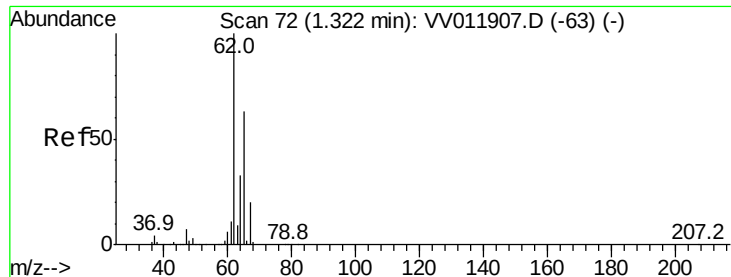
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 20.882 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV011918.D

Acq: 17 Jul 2019 18:13

Instrument :

MSVOA_V

ClientSampleId :

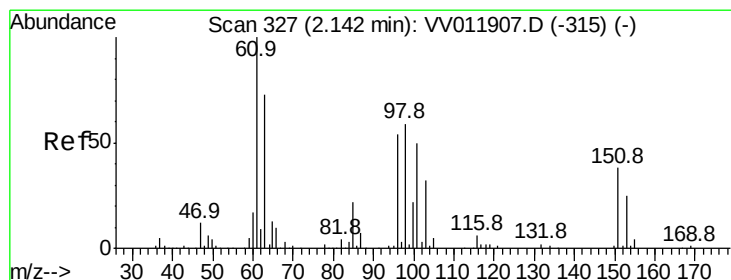
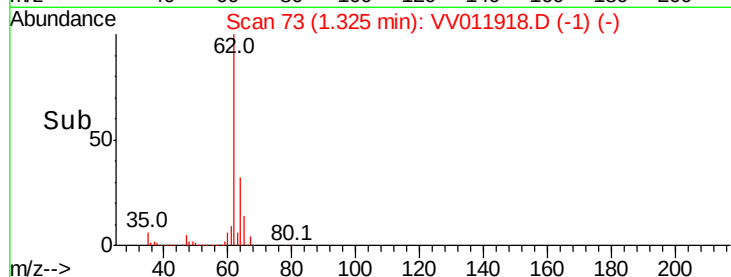
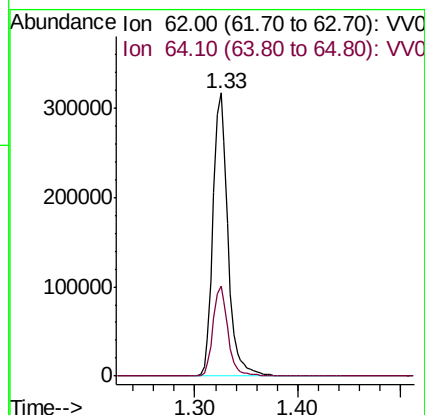
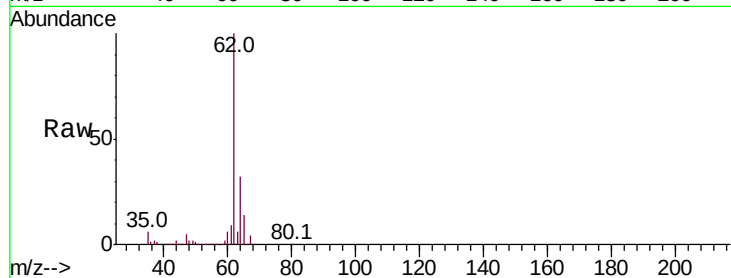
A52K8

Tot Ion: 62 Resp: 317455

Ion Ratio Lower Upper

62 100

64 31.7 22.9 42.5



#12

1,1-Dichloroethene

Concen: 13.363 ug/L

RT: 2.14 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV011918.D

Acq: 17 Jul 2019 18:13

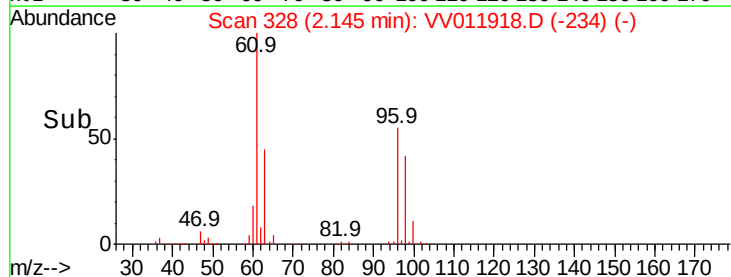
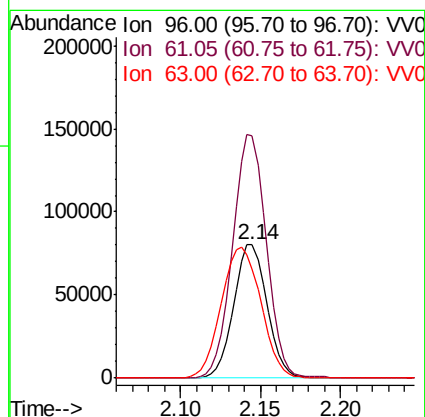
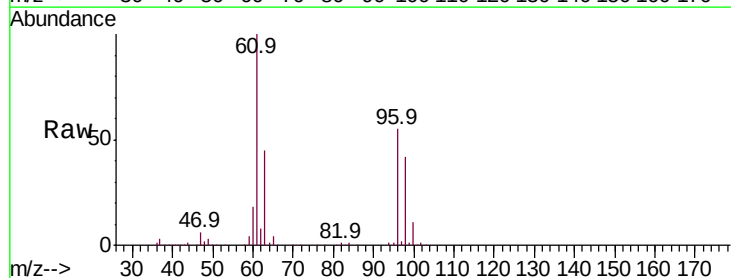
Tgt Ion: 96 Resp: 113408

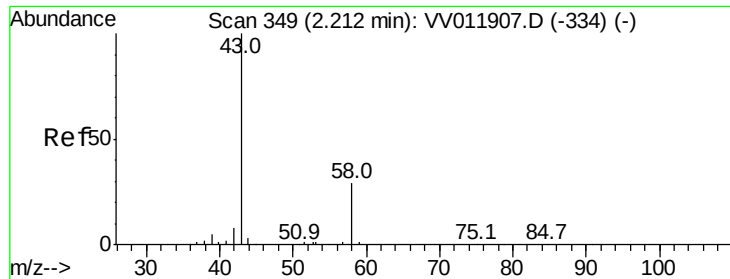
Ion Ratio Lower Upper

96 100

61 181.5 128.9 239.3

63 81.7 85.5 158.9#





#13

Acetone

Concen: 6.701 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.02 min

Lab File: VV011918.D

Acq: 17 Jul 2019 18:13

Instrument :

MSVOA_V

ClientSampled :

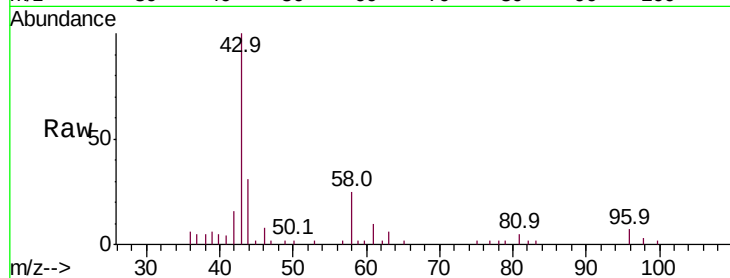
A52K8

Tot Ion: 43 Resp: 10044

Ion Ratio Lower Upper

43 100

58 29.3 0.0 55.6



Abundance Ion 43.05 (42.75 to 43.75): VV011907.D (-334) (-)

Ion 58.05 (57.75 to 58.75): VV011907.D (-334) (-)

2.19

6000

4000

2000

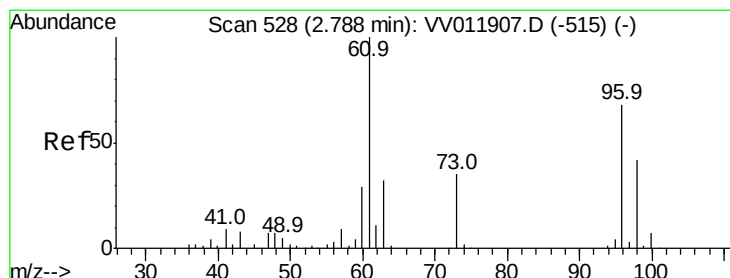
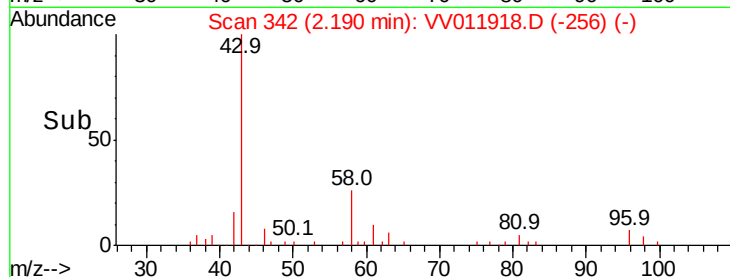
0

Time-->

2.15

2.20

2.25



#18

trans-1,2-Dichloroethene

Concen: 1.434 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV011918.D

Acq: 17 Jul 2019 18:13

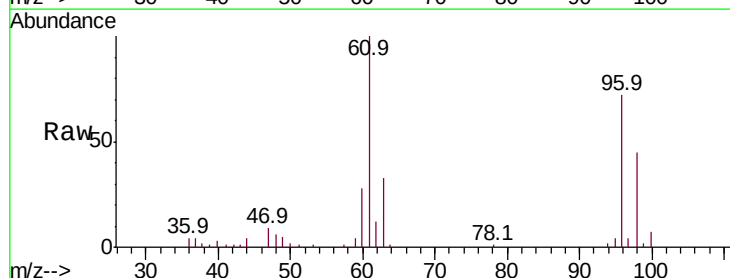
Tgt Ion: 96 Resp: 17108

Ion Ratio Lower Upper

96 100

61 138.7 102.2 189.8

98 62.6 44.4 82.5



Abundance Ion 96.00 (95.70 to 96.70): VV011907.D (-515) (-)

Ion 61.05 (60.75 to 61.75): VV011907.D (-515) (-)

Ion 97.95 (97.65 to 98.65): VV011907.D (-515) (-)

2.79

15000

10000

5000

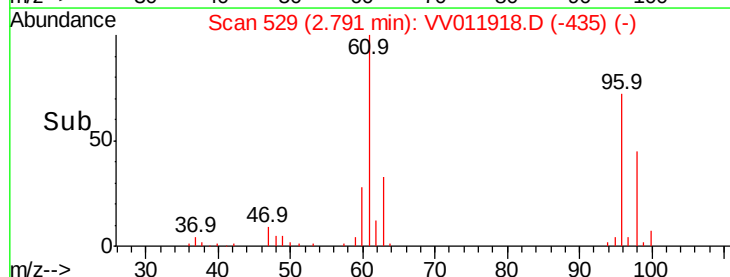
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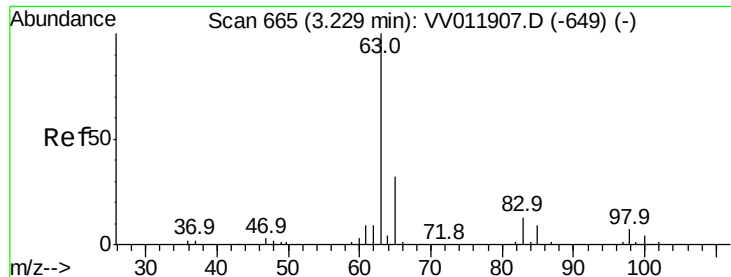
Time-->

2.75

2.80

2.85





#19

1,1-Dichloroethane

Concen: 2.376 ug/L

RT: 3.23 min Scan# 666

Delta R.T. 0.00 min

Lab File: VV011918.D

Acq: 17 Jul 2019 18:13

Instrument :

MSVOA_V

ClientSampleId :

A52K8

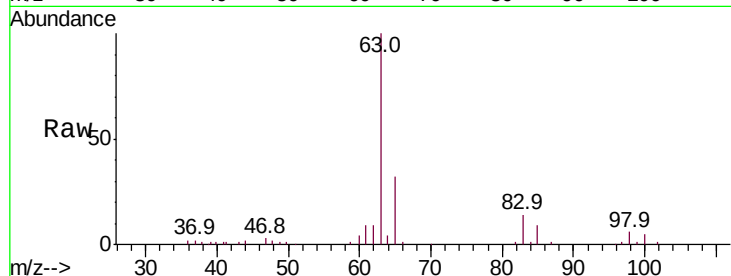
Tot Ion: 63 Resp: 53448

Ion Ratio Lower Upper

63 100

65 32.2 22.7 42.3

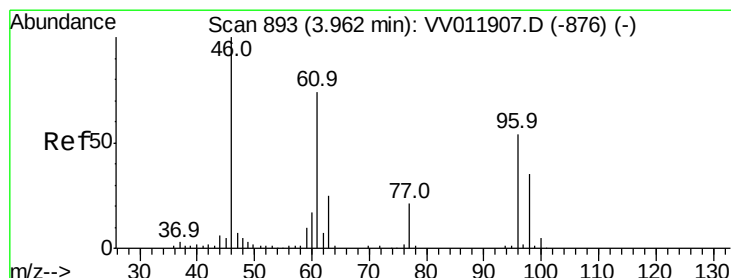
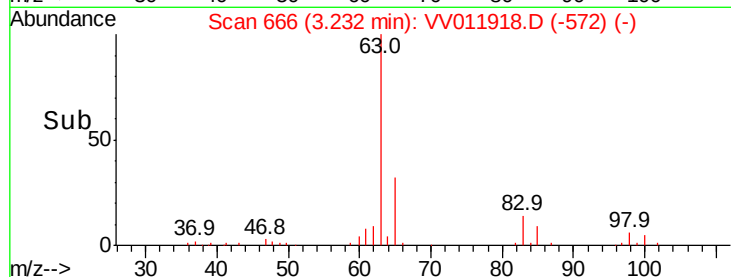
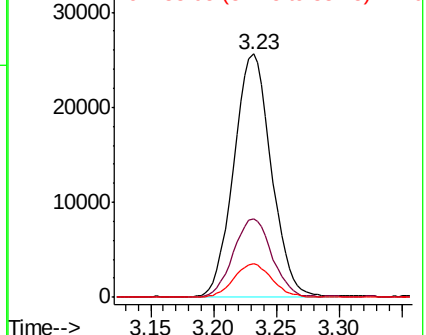
83 13.7 9.4 17.6



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: 1944.335 ug/L

RT: 3.96 min Scan# 894

Delta R.T. 0.00 min

Lab File: VV011918.D

Acq: 17 Jul 2019 18:13

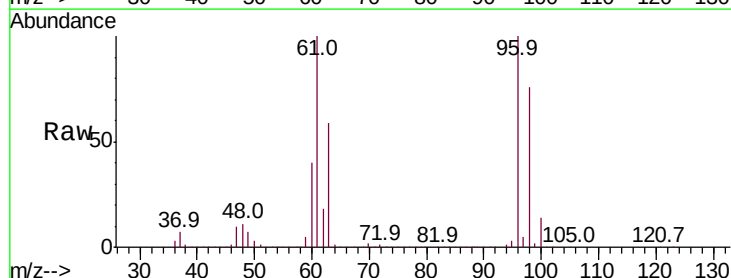
Tgt Ion: 96 Resp: 23883049

Ion Ratio Lower Upper

96 100

61 100.0 95.2 176.8

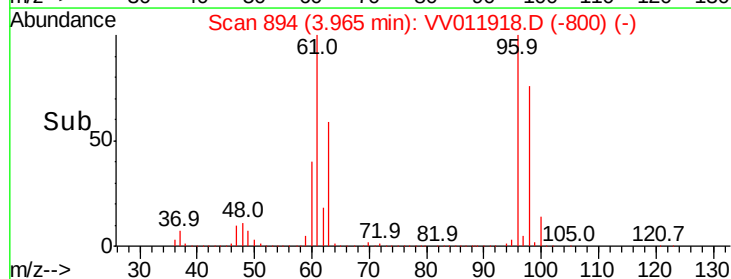
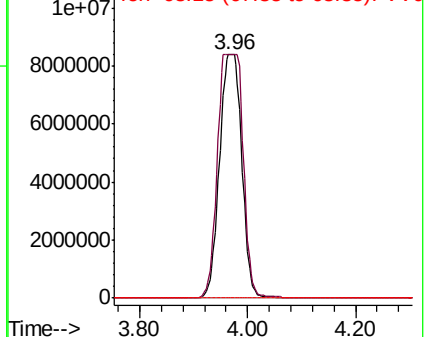
68 0.0 0.0 0.0

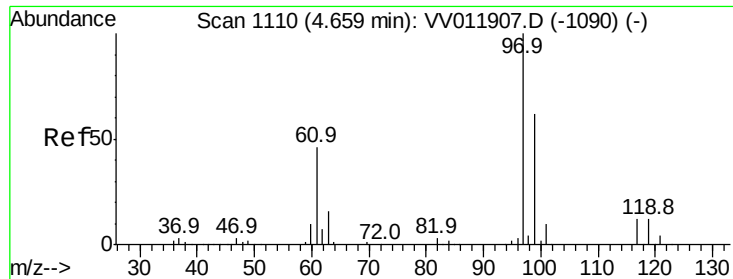


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0

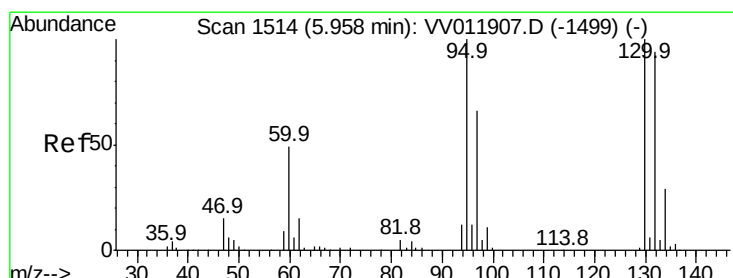
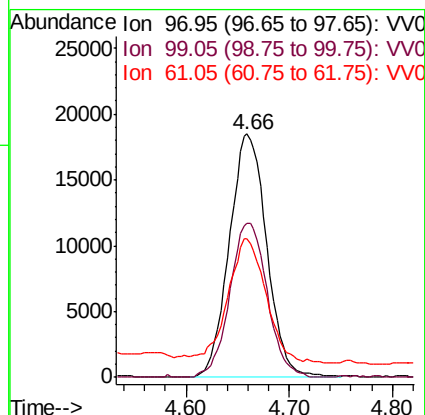
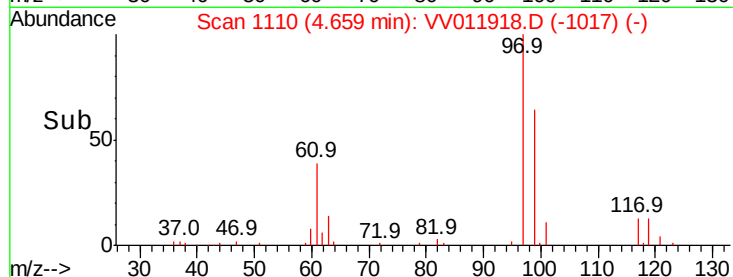
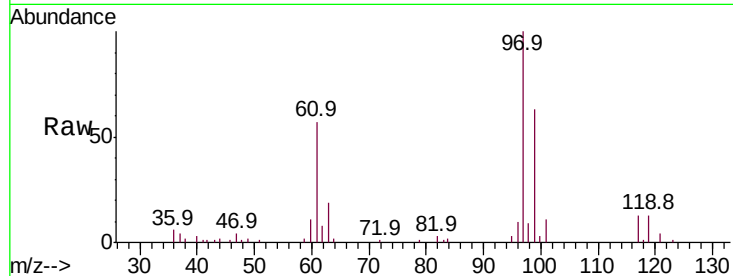




#29
1,1,1-Trichloroethane
Concen: 2.522 ug/L
RT: 4.66 min Scan# 1110
Delta R.T. -0.00 min
Lab File: VV011918.D
Acq: 17 Jul 2019 18:13

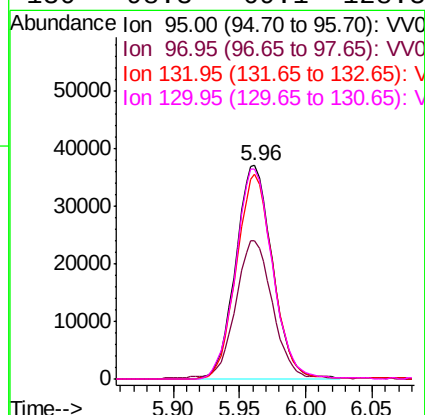
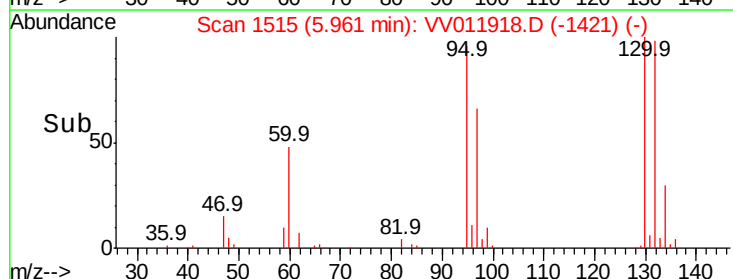
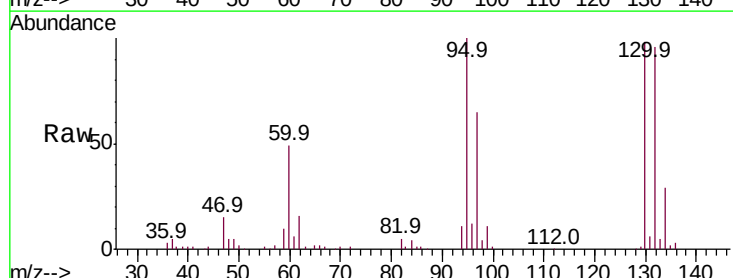
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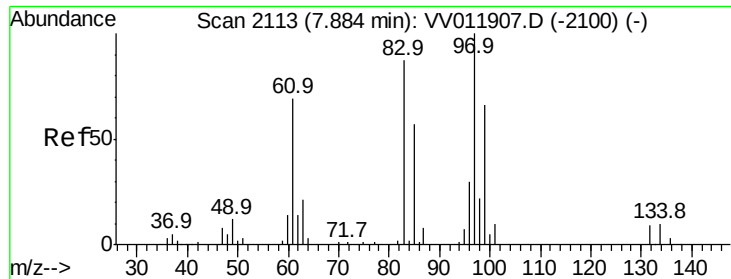
Tot Ion: 97 Resp: 46739
Ion Ratio Lower Upper
97 100
99 63.3 51.1 76.7
61 50.5 38.6 57.8



#34
Trichloroethene
Concen: 5.460 ug/L
RT: 5.96 min Scan# 1515
Delta R.T. 0.00 min
Lab File: VV011918.D
Acq: 17 Jul 2019 18:13

Tgt Ion: 95 Resp: 71591
Ion Ratio Lower Upper
95 100
97 64.9 44.0 81.6
132 96.0 67.0 124.4
130 98.3 69.1 128.3

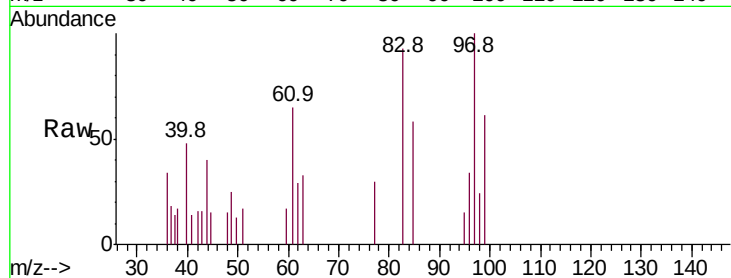




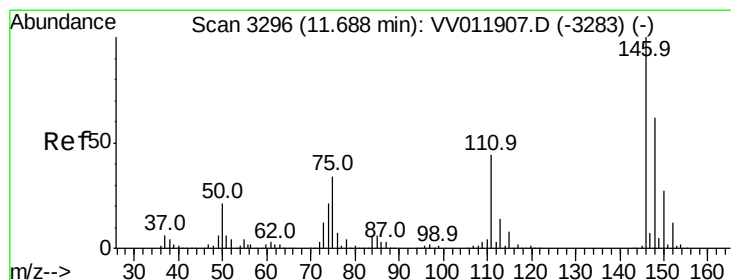
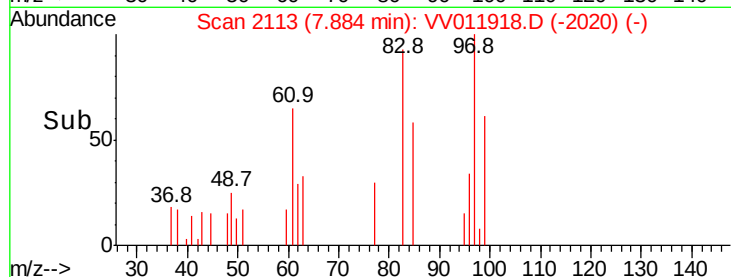
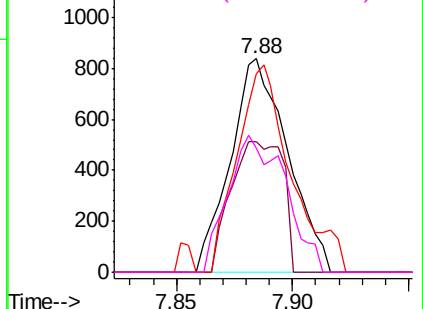
#45
 1,1,2-Trichloroethane
 Concen: 0.185 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VV011918.D
 Acq: 17 Jul 2019 18:13

Instrument :
 MSVOA_V
 ClientSampleId :
 A52K8

Tot Ion: 97 Resp: 1440
 Ion Ratio Lower Upper
 97 100
 99 61.2 43.5 80.7
 83 92.8 60.5 112.3
 85 58.0 39.6 73.6

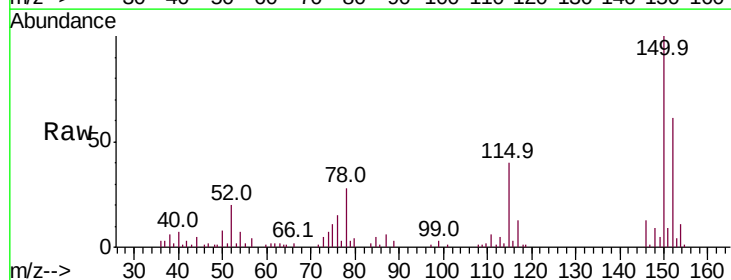


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0



#65
 1,2-Dichlorobenzene
 Concen: 0.154 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV011918.D
 Acq: 17 Jul 2019 18:13

Tgt Ion: 146 Resp: 3111
 Ion Ratio Lower Upper
 146 100
 111 46.7 34.0 51.0
 148 66.3 51.8 77.6



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

