

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072319\
 Data File : VV011965.D
 Acq On : 23 Jul 2019 15:18
 Operator : SY/MD
 Sample : K3890-03DL 5X
 Misc : 25ML/MSVOA V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A52S1DL

Quant Time: Jul 24 06:51:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 24 05:52:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	143963	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	137761	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	68469	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	40640	5.43	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	108.60%
7) Chloroethane-d5	1.59	69	31419	5.34	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.80%
11) 1,1-Dichloroethene-d2	2.13	63	64256	4.31	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	86.20%
20) 2-Butanone-d5	3.94	46	113544	51.92	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.84%
24) Chloroform-d	4.40	84	97606	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.40%
26) 1,2-Dichloroethane-d4	5.08	65	53852	5.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.60%
32) Benzene-d6	5.10	84	204610	5.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.60%
36) 1,2-Dichloropropane-d6	6.12	67	57637	5.24	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.80%
41) Toluene-d8	7.36	98	185432	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.00%
43) trans-1,3-Dichloropropene-	7.67	79	22771	5.10	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.00%
46) 2-Hexanone-d5	8.13	63	95055	53.05	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.10%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	39549	5.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	73877	5.60	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	112.00%

Target Compounds

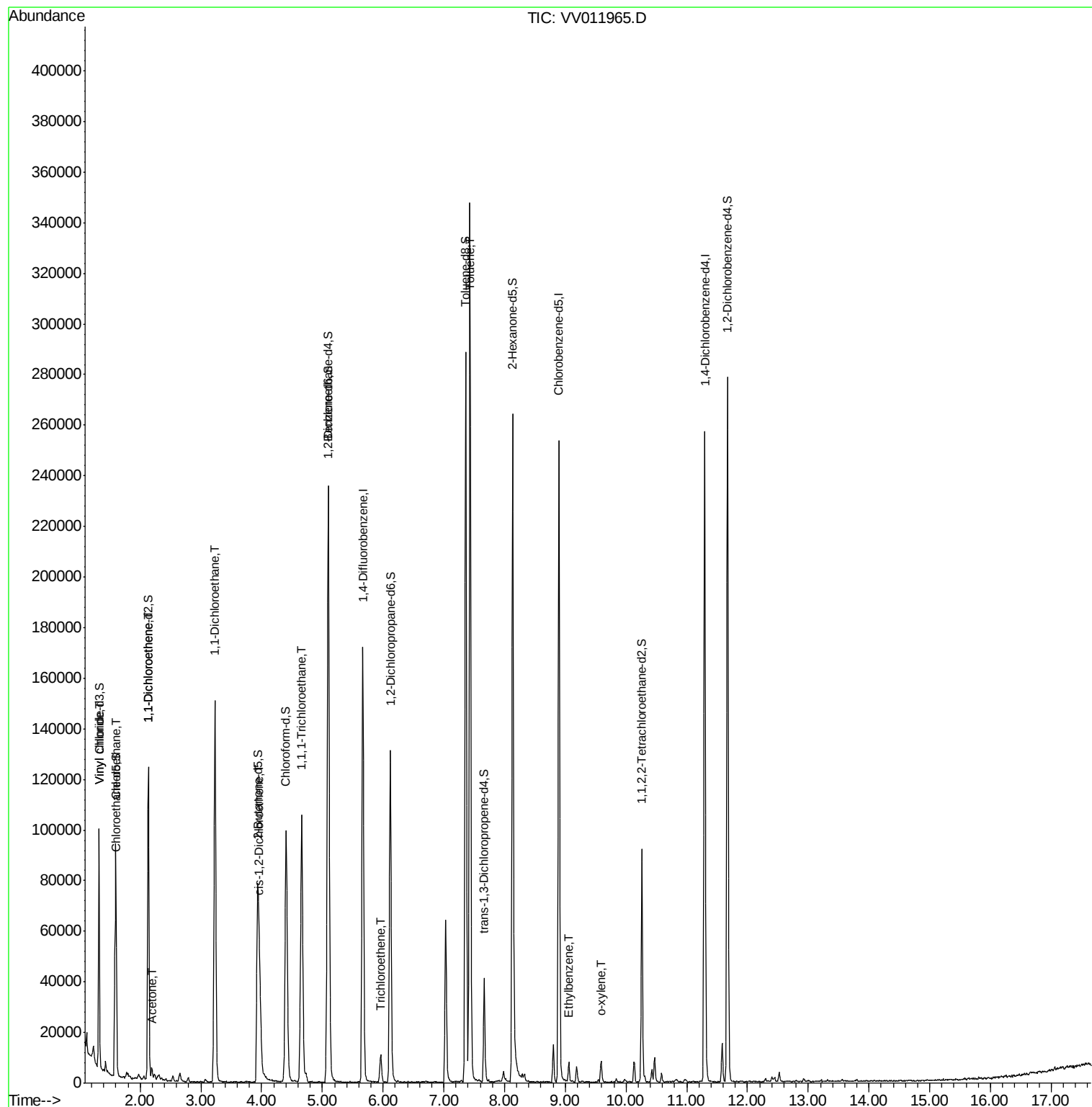
					Ovalue
5) Vinyl chloride	1.33	62	17543	1.984	ug/L 96
8) Chloroethane	1.60	64	46974	8.981	ug/L 96
12) 1,1-Dichloroethene	2.15	96	2826	0.431	ug/L # 1
13) Acetone	2.19	43	2927	2.483	ug/L 97
19) 1,1-Dichloroethane	3.23	63	147984	8.211	ug/L 97
22) cis-1,2-Dichloroethene	3.97	96	10920	0.996	ug/L 93
29) 1,1,1-Trichloroethane	4.66	97	84441	4.789	ug/L 98
34) Trichloroethene	5.96	95	3234	0.287	ug/L 95
42) Toluene	7.43	91	245396	5.642	ug/L 99
52) Ethylbenzene	9.06	91	5257	0.106	ug/L 99
54) o-xylene	9.59	106	2038	0.114	ug/L 87

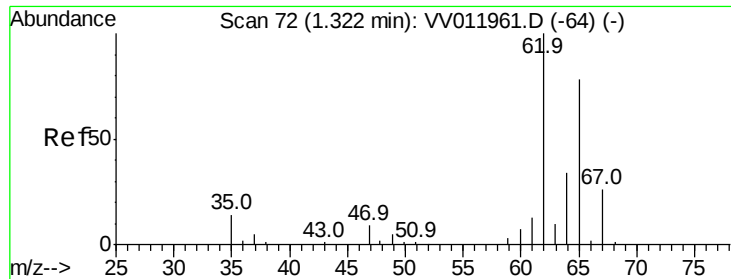
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.984 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV011965.D

Acq: 23 Jul 2019 15:18

Instrument :

MSVOA_V

ClientSampleId :

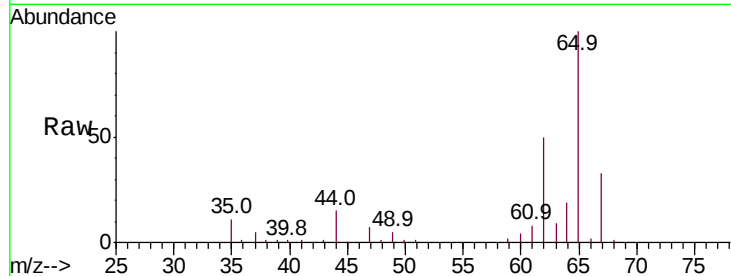
A52S1DL

Tot Ion: 62 Resp: 17543

Ion Ratio Lower Upper

62 100

64 37.1 24.3 45.1



Abundance Ion 62.00 (61.70 to 62.70): VV011961.D (-64) (-)

Ion 64.10 (63.80 to 64.80): VV011965.D (-66) (-)

1.33

15000

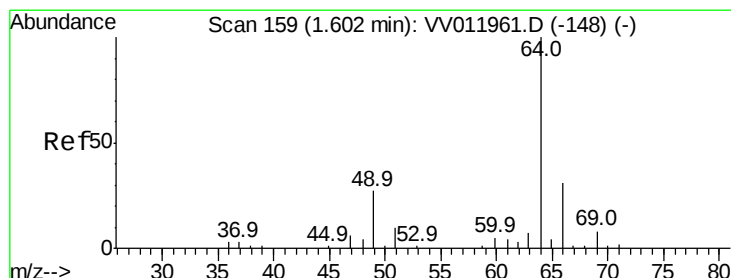
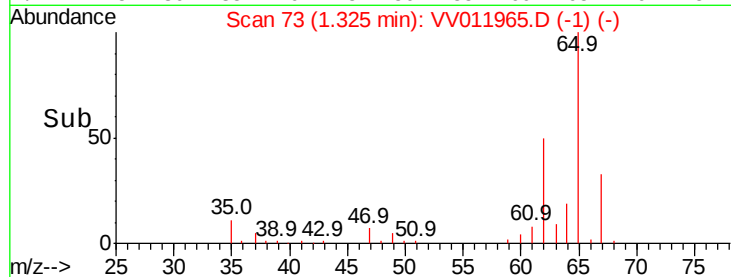
10000

5000

0

1.30 1.35 1.40

Time-->



#8

Chloroethane

Concen: 8.981 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.00 min

Lab File: VV011965.D

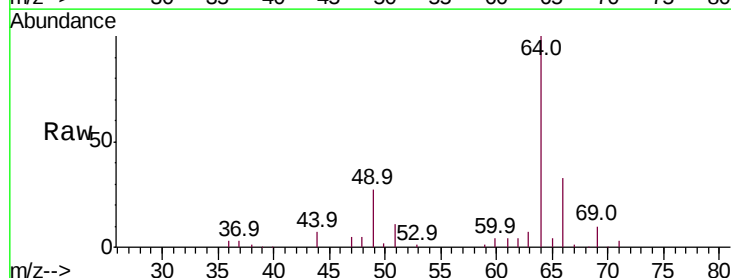
Acq: 23 Jul 2019 15:18

Tgt Ion: 64 Resp: 46974

Ion Ratio Lower Upper

64 100

66 33.4 21.8 40.6



Abundance Ion 64.10 (63.80 to 64.80): VV011961.D (-148) (-)

Ion 66.05 (65.75 to 66.75): VV011965.D (-66) (-)

1.60

40000

30000

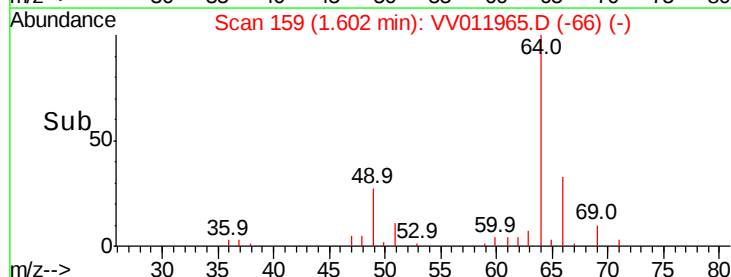
20000

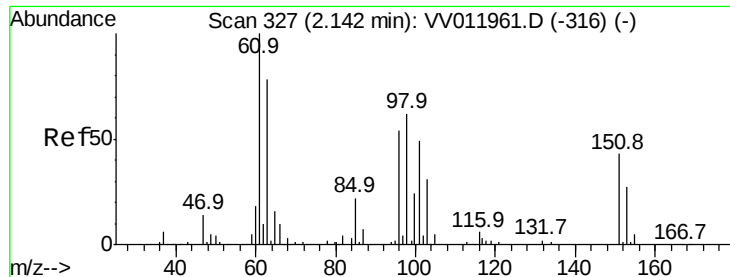
10000

0

1.55 1.60 1.65

Time-->





#12

1,1-Dichloroethene

Concen: 0.431 ug/L

RT: 2.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV011965.D

Acq: 23 Jul 2019 15:18

Instrument :

MSVOA_V

ClientSampleId :

A52S1DL

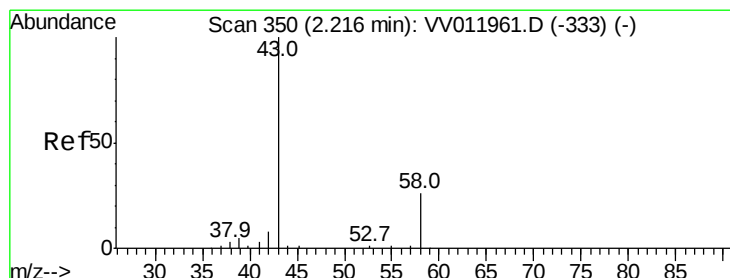
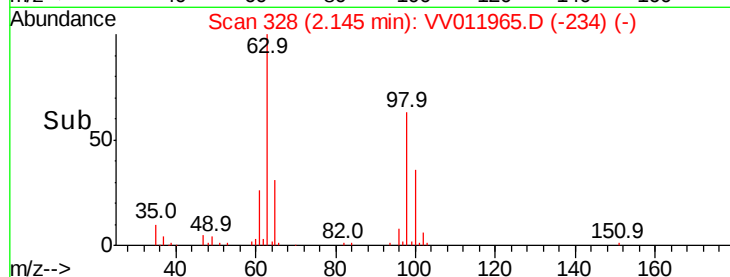
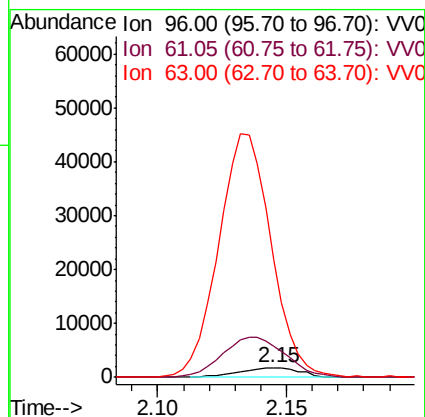
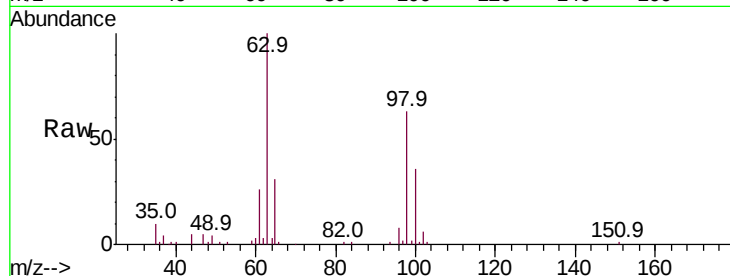
Tot Ion: 96 Resp: 2826

Ion Ratio Lower Upper

96 100

61 328.7 132.7 246.5#

63 1254.4 104.0 193.1#



#13

Acetone

Concen: 2.483 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.03 min

Lab File: VV011965.D

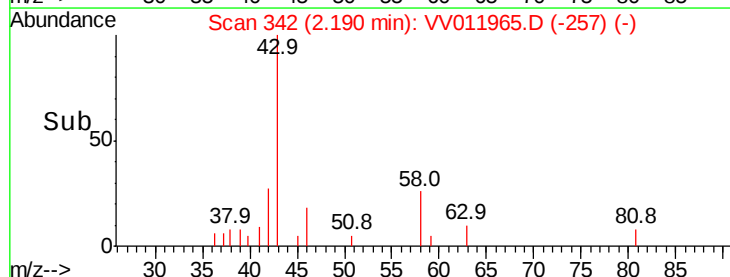
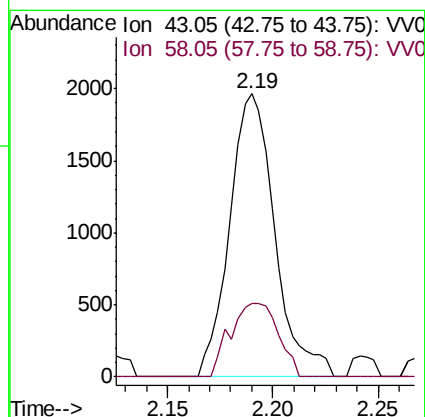
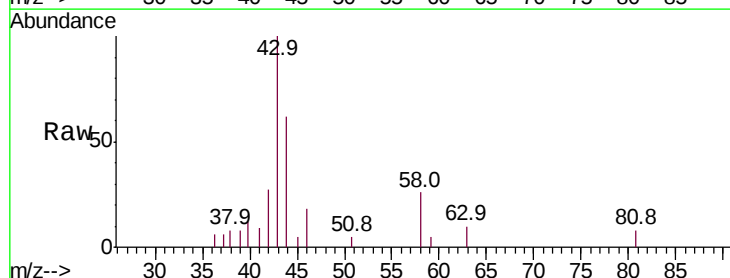
Acq: 23 Jul 2019 15:18

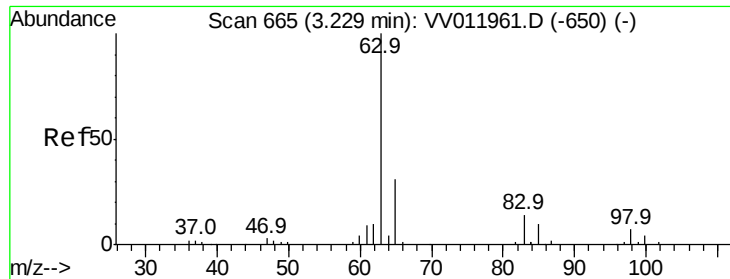
Tgt Ion: 43 Resp: 2927

Ion Ratio Lower Upper

43 100

58 27.4 0.0 51.8

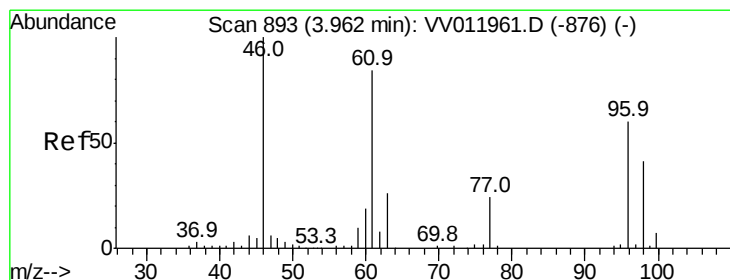
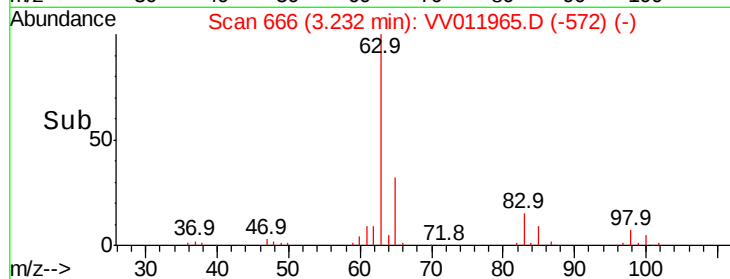
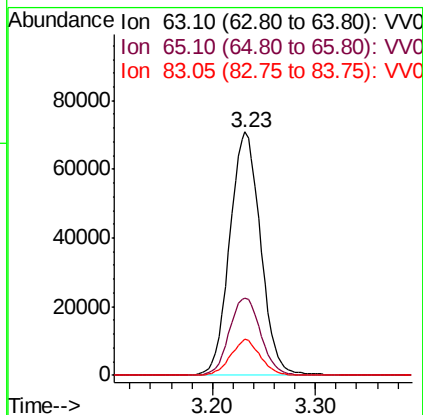
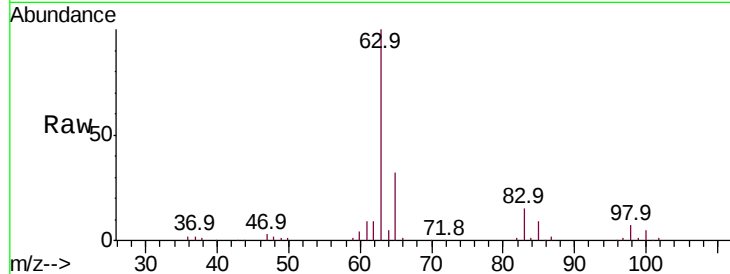




#19
 1,1-Dichloroethane
 Concen: 8.211 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VV011965.D
 Acq: 23 Jul 2019 15:18

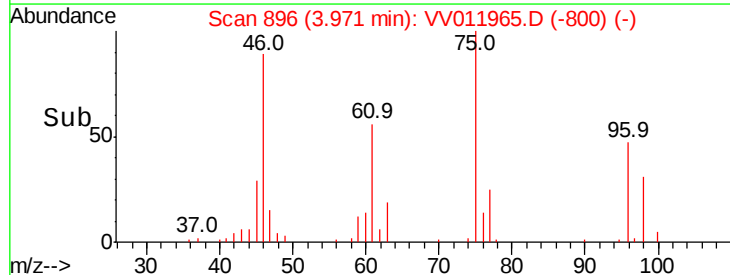
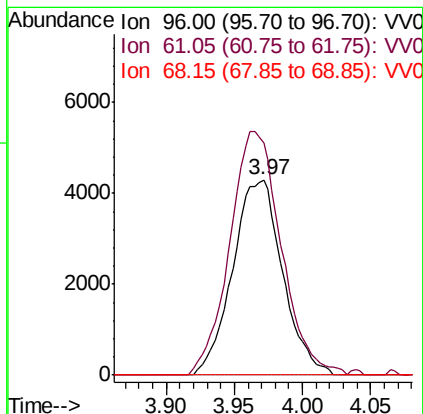
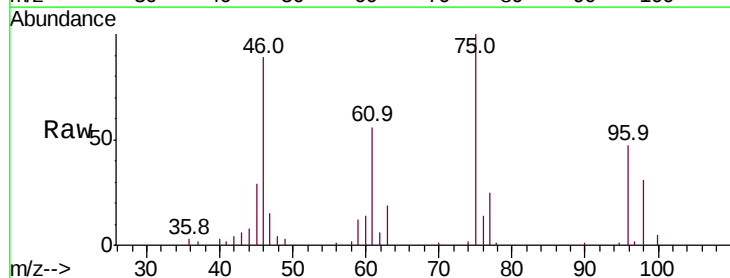
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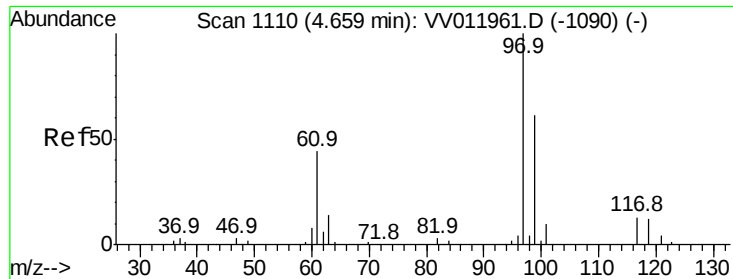
Tot Ion: 63 Resp: 147984
 Ion Ratio Lower Upper
 63 100
 65 31.6 23.5 43.7
 83 14.8 9.7 18.1



#22
 cis-1,2-Dichloroethene
 Concen: 0.996 ug/L
 RT: 3.97 min Scan# 896
 Delta R.T. 0.01 min
 Lab File: VV011965.D
 Acq: 23 Jul 2019 15:18

Tgt Ion: 96 Resp: 10920
 Ion Ratio Lower Upper
 96 100
 61 118.9 89.0 165.2
 68 0.0 0.0 0.0

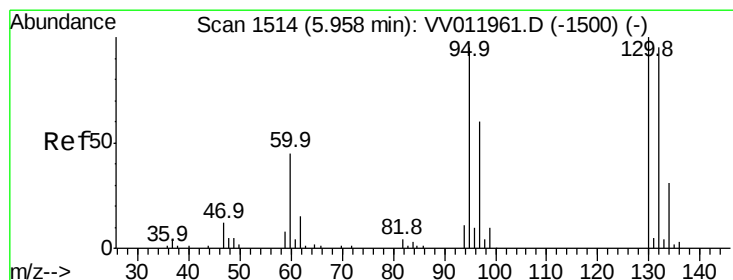
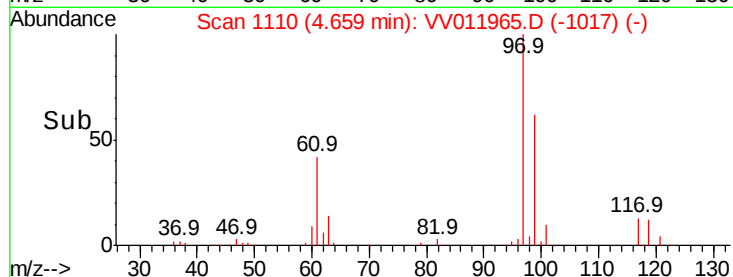
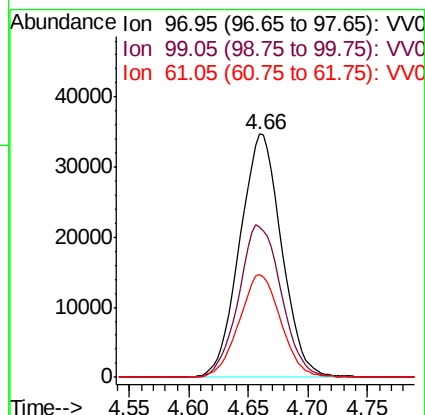
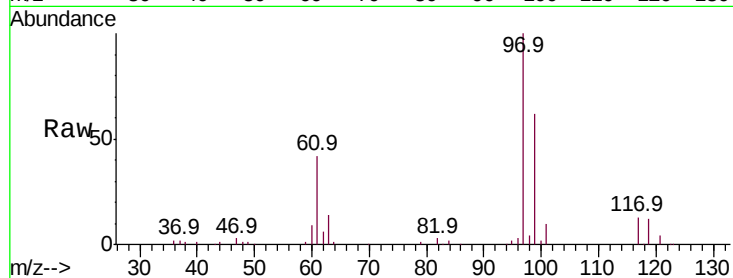




#29
 1,1,1-Trichloroethane
 Concen: 4.789 ug/L
 RT: 4.66 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VV011965.D
 Acq: 23 Jul 2019 15:18

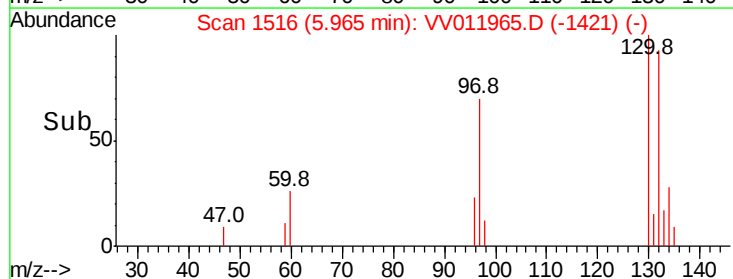
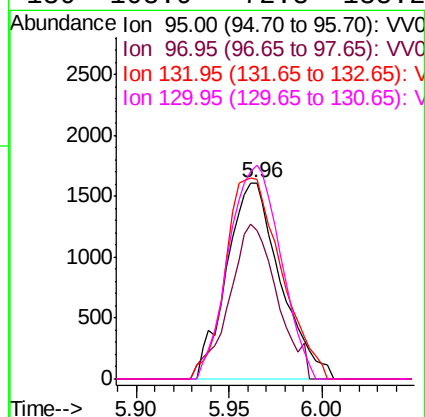
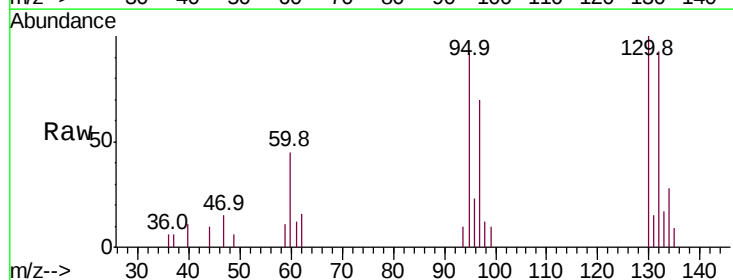
Instrument :
 MSVOA_V
 ClientSampleId :
 A52S1DL

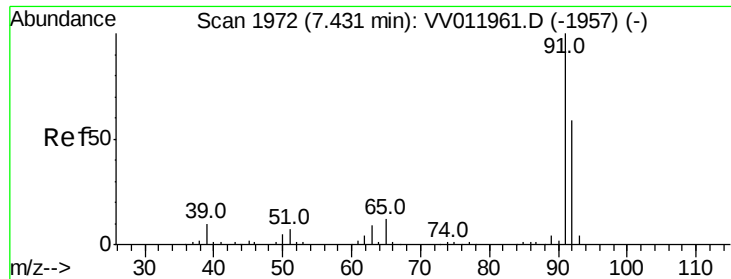
Tot Ion: 97 Resp: 84441
 Ion Ratio Lower Upper
 97 100
 99 63.7 51.7 77.5
 61 42.2 35.1 52.7



#34
 Trichloroethene
 Concen: 0.287 ug/L
 RT: 5.96 min Scan# 1516
 Delta R.T. 0.01 min
 Lab File: VV011965.D
 Acq: 23 Jul 2019 15:18

Tgt Ion: 95 Resp: 3234
 Ion Ratio Lower Upper
 95 100
 97 75.9 45.6 84.6
 132 101.6 71.3 132.3
 130 108.9 72.8 135.2





#42

Toluene

Concen: 5.642 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV011965.D

Acq: 23 Jul 2019 15:18

Instrument :

MSVOA_V

ClientSampleId :

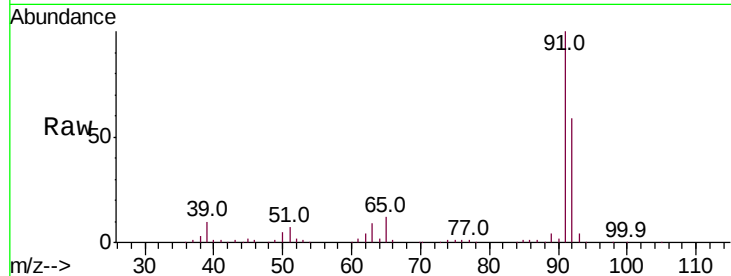
A52S1DL

Tot Ion: 91 Resp: 245396

Ion Ratio Lower Upper

91 100

92 59.2 41.9 77.9



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.43

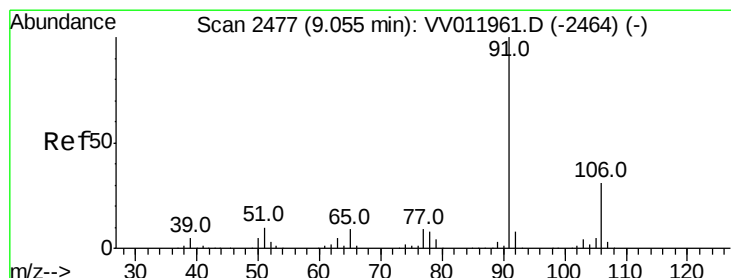
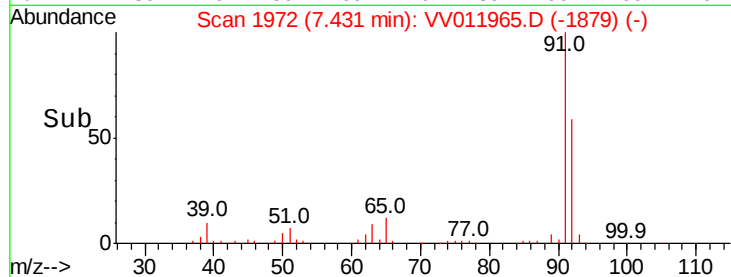
150000

100000

50000

0

Time-->



#52

Ethylbenzene

Concen: 0.106 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV011965.D

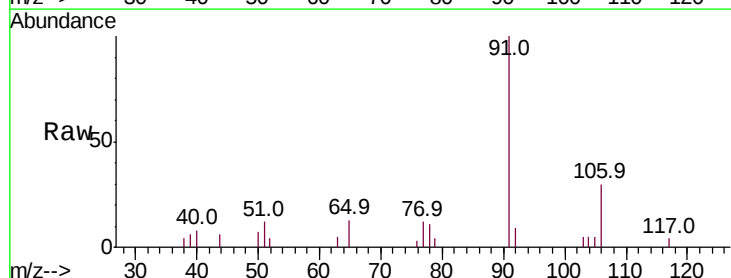
Acq: 23 Jul 2019 15:18

Tgt Ion: 91 Resp: 5257

Ion Ratio Lower Upper

91 100

106 30.0 21.6 40.0



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 106.15 (105.85 to 106.85): V

9.06

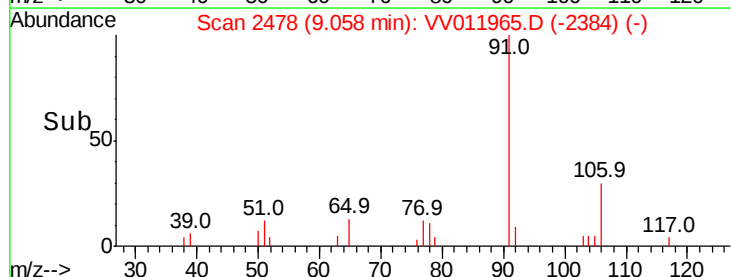
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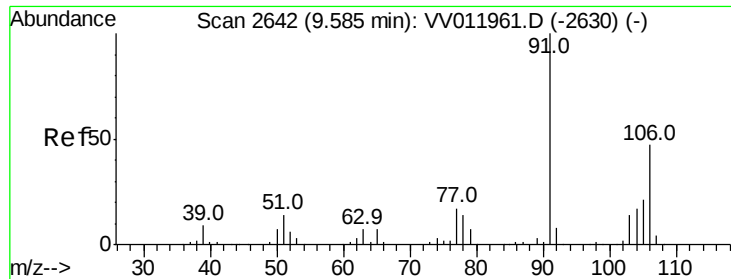
2000

1000

0

Time-->





#54
o-xylene
Concen: 0.114 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV011965.D
Acq: 23 Jul 2019 15:18

Instrument :
MSVOA_V
ClientSampleId :
A52S1DL

Tot Ion:106 Resp: 2038
Ion Ratio Lower Upper
106 100
91 236.3 151.0 280.4

