

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092718\
 Data File : VV007932.D
 Acq On : 28 Sep 2018 02:40
 Operator : SY/MD
 Sample : J5062-02MS
 Misc : 25.0 mL/MSVOA V/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Sep 28 03:48:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR092718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Sep 28 03:46:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	90098	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	84960	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	41832	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	20698	4.28	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.60%
7) Chloroethane-d5	1.59	69	20080	4.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.20%
11) 1,1-Dichloroethene-d2	2.14	63	50905	4.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.40%
20) 2-Butanone-d5	3.96	46	65359	44.99	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	89.98%
24) Chloroform-d	4.41	84	50936	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.60%
26) 1,2-Dichloroethane-d4	5.09	65	27477	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.80%
32) Benzene-d6	5.10	84	96899	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
36) 1,2-Dichloropropane-d6	6.12	67	30633	4.76	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.20%
41) Toluene-d8	7.36	98	90919	4.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.00%
43) trans-1,3-Dichloropropene-	7.67	79	10026	4.05	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.00%
46) 2-Hexanone-d5	8.14	63	47300	43.28	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.56%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	22068	4.45	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.00%
64) 1,2-Dichlorobenzene-d4	11.68	152	38484	4.75	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.32	64	355	0.082	ug/L #	1
12) 1,1-Dichloroethene	2.15	96	28413	4.771	ug/L	94
13) Acetone	2.21	43	4831	4.564	ug/L	98
15) Methyl Acetate	2.35	43	473	0.175	ug/L #	51
21) 2-Butanone	4.14	43	157759	93.547	ug/L #	50
25) Chloroform	4.44	83	1696	0.140	ug/L	99
27) 1,2-Dichloroethane	5.15	62	876	0.112	ug/L #	77
30) Cyclohexane	4.73	56	2827	0.294	ug/L	95
31) Carbon tetrachloride	4.88	117	86595	9.615	ug/L	99
33) Benzene	5.15	78	118881	4.887	ug/L	100
34) Trichloroethene	5.96	95	31678	4.547	ug/L	96
35) Methylcyclohexane	6.12	83	7579	0.726	ug/L #	18
37) 1,2-Dichloropropane	6.12	63	3643	0.586	ug/L #	87
39) cis-1,3-Dichloropropene	7.04	75	709	0.085	ug/L #	36
42) Toluene	7.43	91	127798	4.824	ug/L	98
48) 2-Hexanone	8.14	43	7582	2.795	ug/L #	76
51) Chlorobenzene	8.93	112	85580	4.676	ug/L	99

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QLast Update : Fri Sep 28 03:46:50 2018
Response via : Initial Calibration

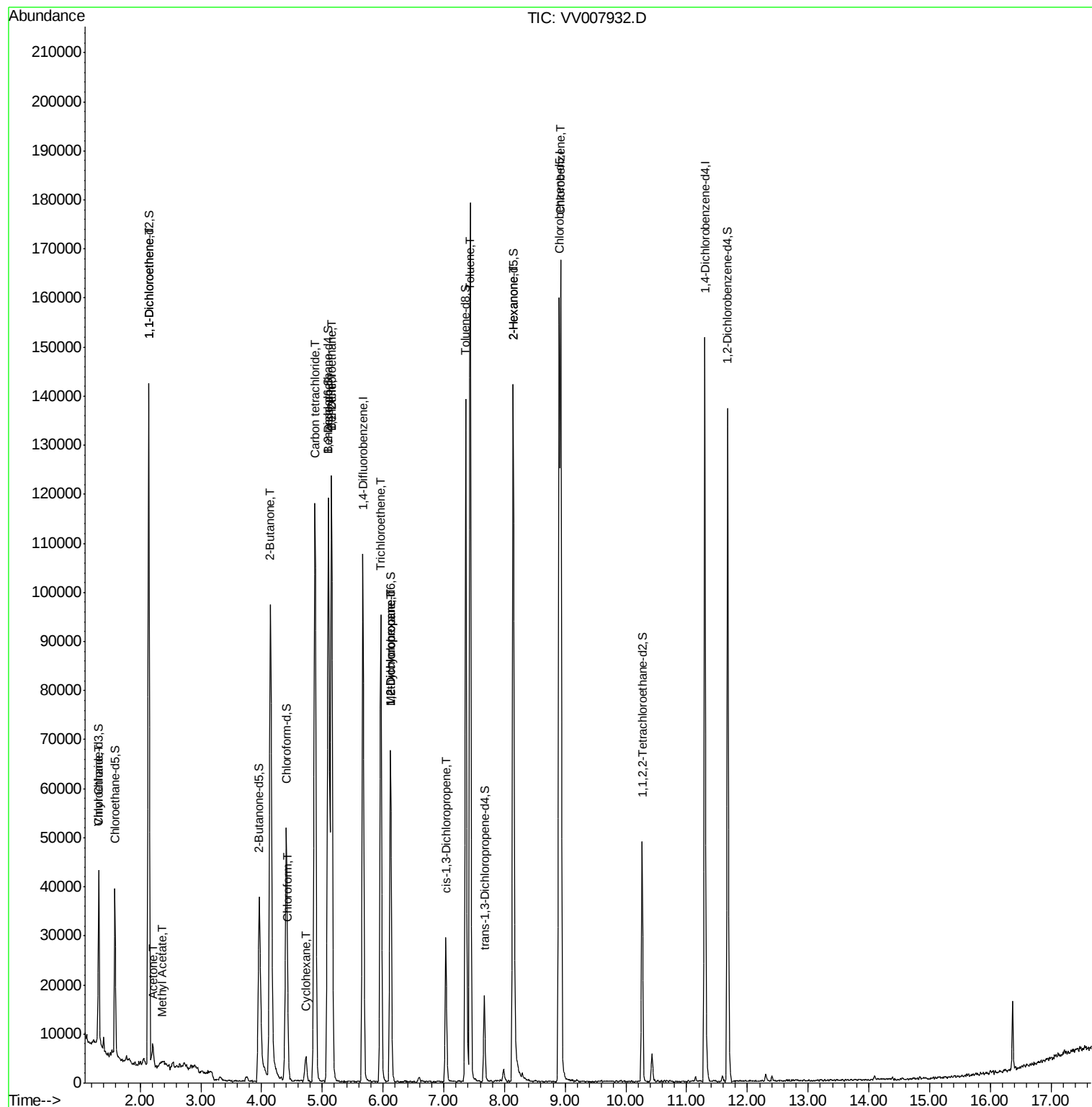
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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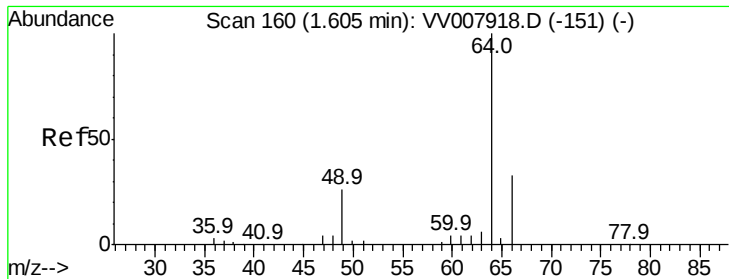
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 0.082 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.29 min

Lab File: VV007932.D

Acq: 28 Sep 2018 02:40

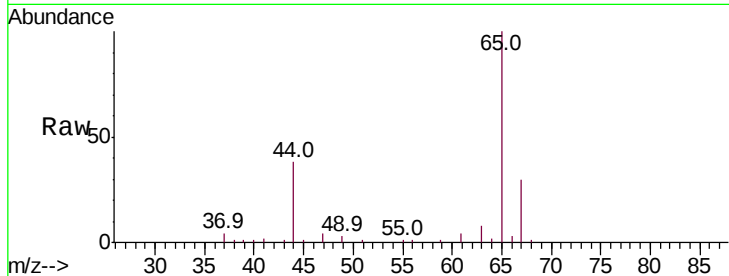
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 64 Resp: 355

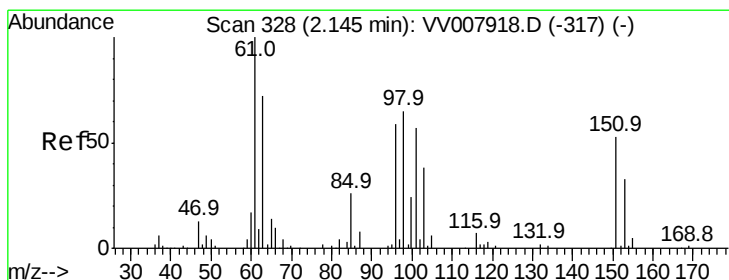
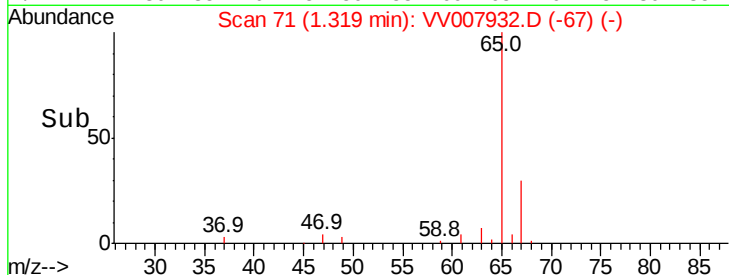
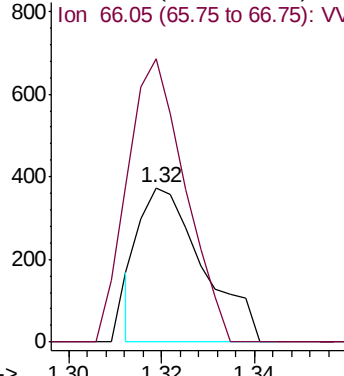
Ion Ratio Lower Upper

64 100

66 183.2 23.1 42.9#



Abundance Ion 64.10 (63.80 to 64.80): VV0
Ion 66.05 (65.75 to 66.75): VV0



#12

1,1-Dichloroethene

Concen: 4.771 ug/L

RT: 2.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV007932.D

Acq: 28 Sep 2018 02:40

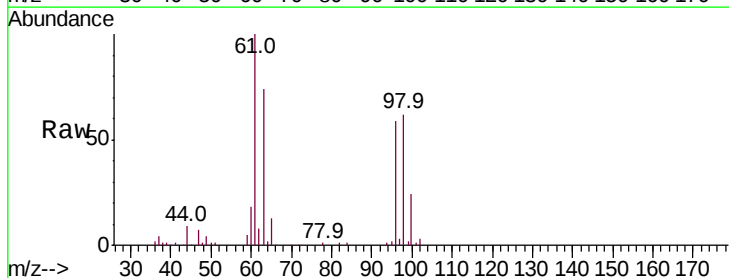
Tgt Ion: 96 Resp: 28413

Ion Ratio Lower Upper

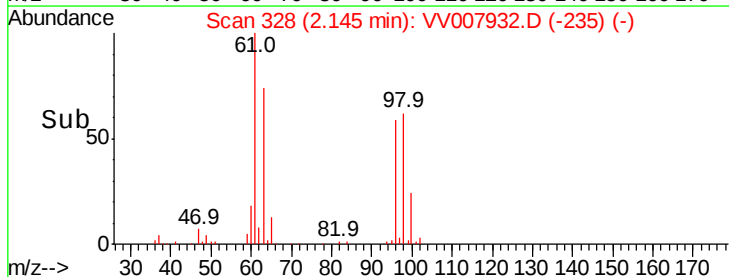
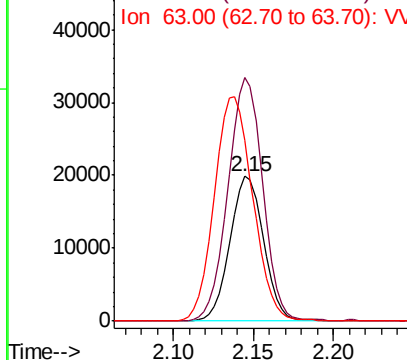
96 100

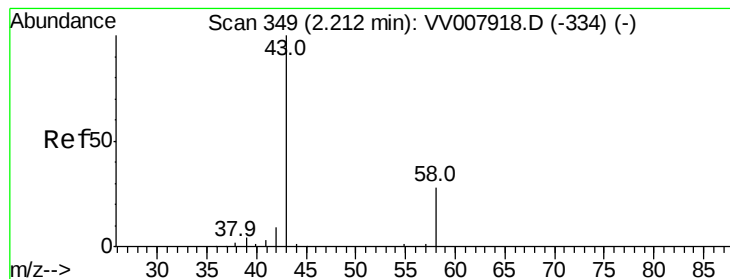
61 168.4 114.1 211.9

63 124.8 81.5 151.3



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: 4.564 ug/L

RT: 2.21 min Scan# 348

Delta R.T. -0.00 min

Lab File: VV007932.D

Acq: 28 Sep 2018 02:40

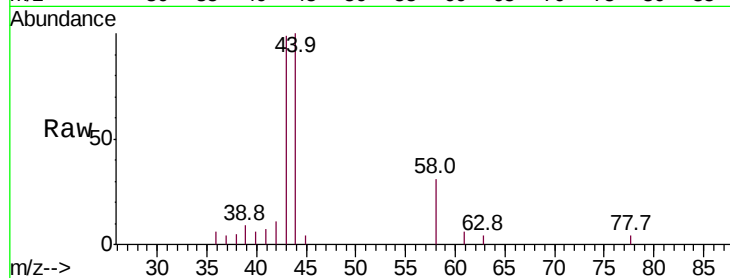
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 4831

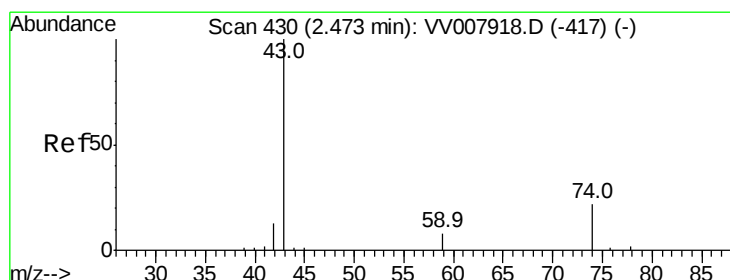
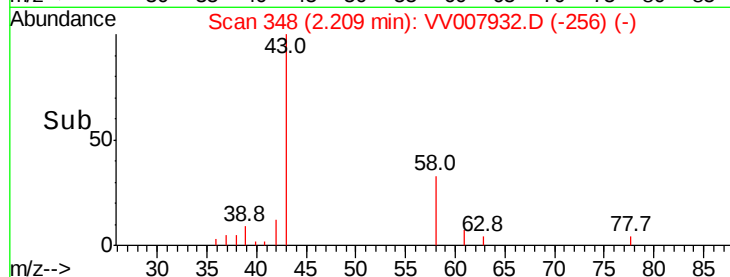
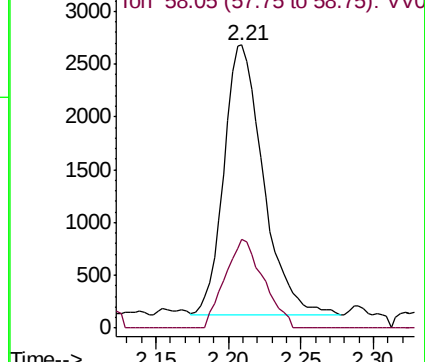
Ion Ratio Lower Upper

43 100

58 32.2 0.0 62.0



Abundance Ion 43.05 (42.75 to 43.75): VV007918.D (-334) (-)



#15

Methyl Acetate

Concen: 0.175 ug/L

RT: 2.35 min Scan# 392

Delta R.T. -0.12 min

Lab File: VV007932.D

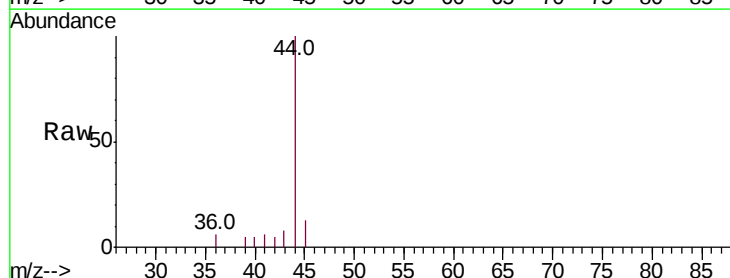
Acq: 28 Sep 2018 02:40

Tgt Ion: 43 Resp: 473

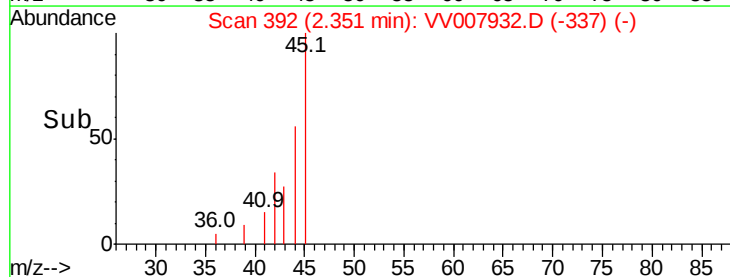
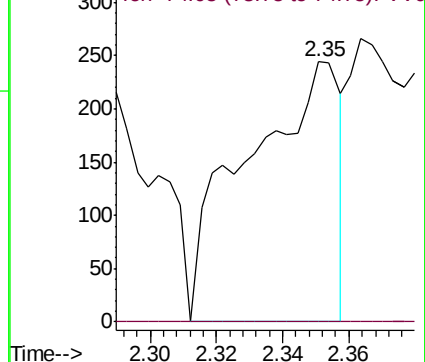
Ion Ratio Lower Upper

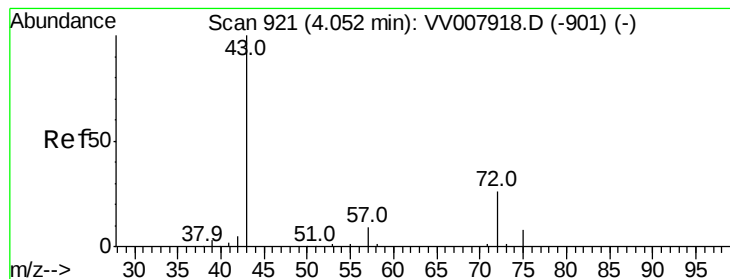
43 100

74 0.0 19.5 29.3#



Abundance Ion 43.05 (42.75 to 43.75): VV007918.D (-417) (-)





#21

2-Butanone

Concen: 93.547 ug/L

RT: 4.14 min Scan# 950

Delta R.T. 0.09 min

Lab File: VV007932.D

Acq: 28 Sep 2018 02:40

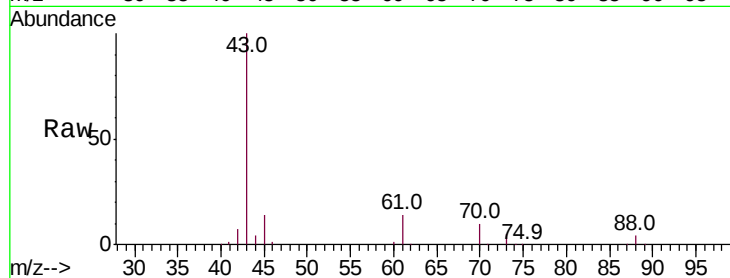
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 157759

Ion Ratio Lower Upper

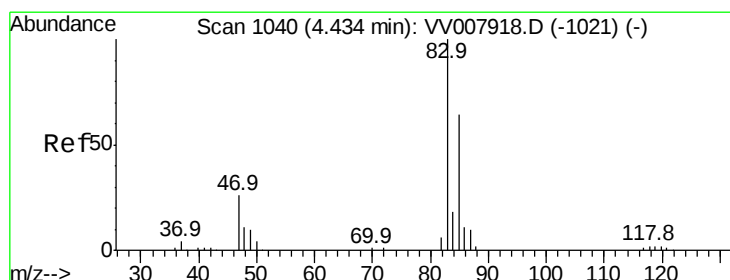
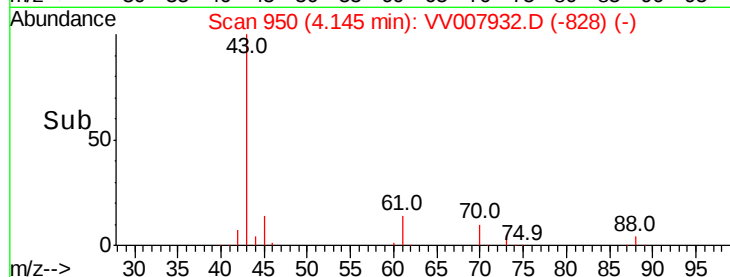
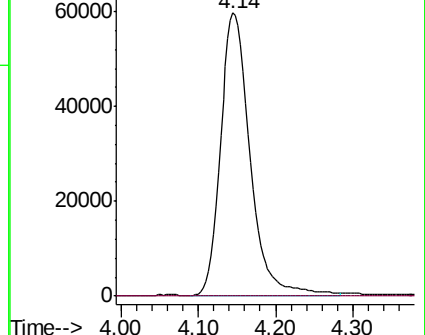
43 100

72 0.0 12.5 37.5#



Abundance Ion 43.05 (42.75 to 43.75): VV007932.D (-950) (-)

Ion 72.10 (71.80 to 72.80): VV007932.D (-950) (-)



#25

Chloroform

Concen: 0.140 ug/L

RT: 4.44 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VV007932.D

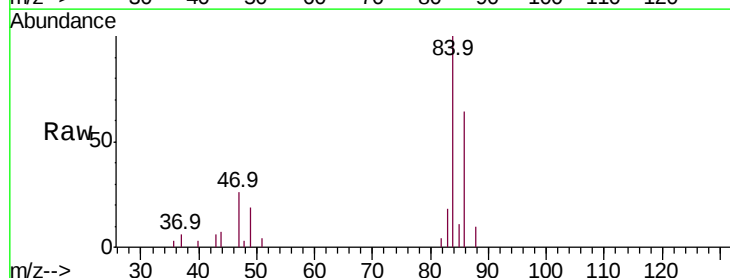
Acq: 28 Sep 2018 02:40

Tgt Ion: 83 Resp: 1696

Ion Ratio Lower Upper

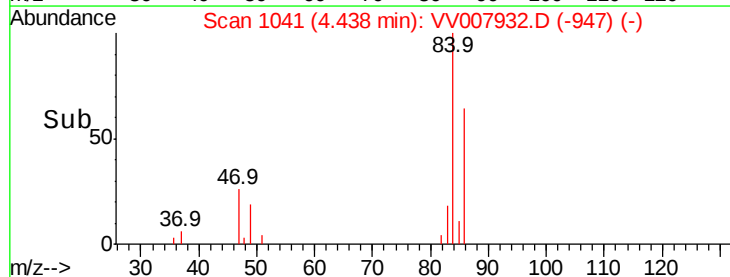
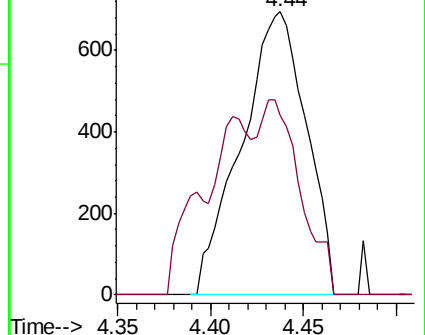
83 100

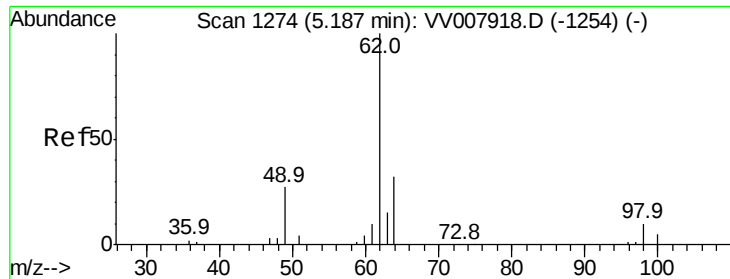
85 63.3 44.8 83.2



Abundance Ion 83.05 (82.75 to 83.75): VV007932.D (-1041) (-)

Ion 85.00 (84.70 to 85.70): VV007932.D (-1041) (-)

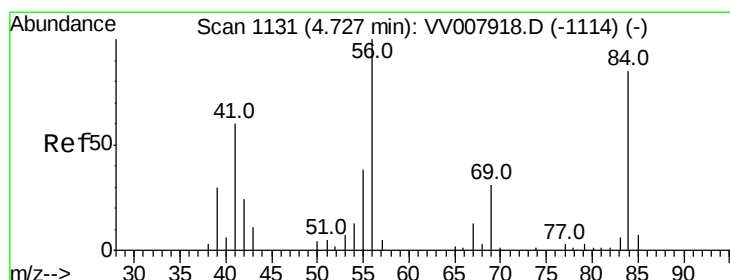
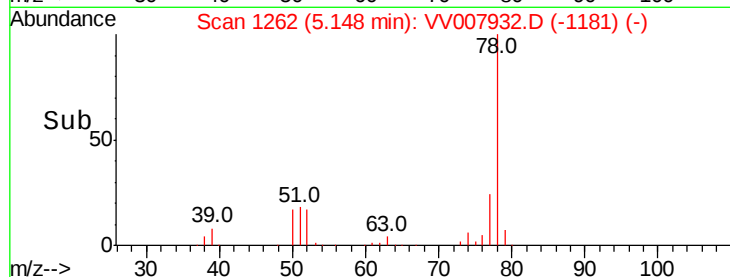
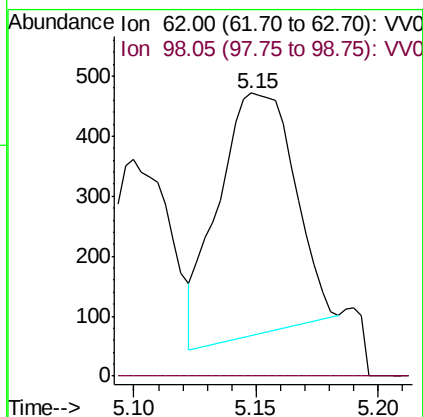
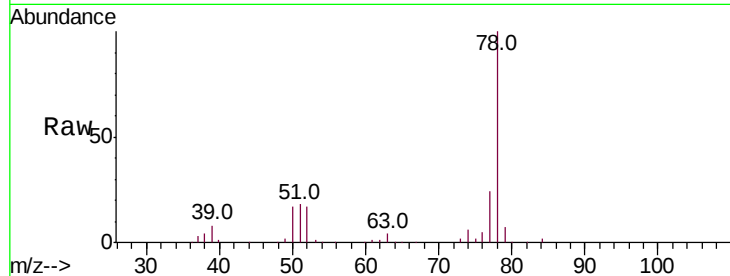




#27
 1,2-Dichloroethane
 Concen: 0.112 ug/L
 RT: 5.15 min Scan# 1262
 Delta R.T. -0.04 min
 Lab File: VV007932.D
 Acq: 28 Sep 2018 02:40

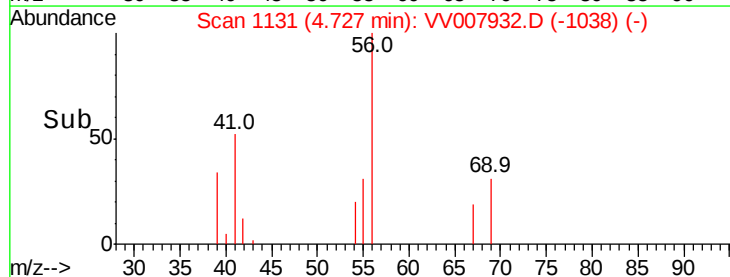
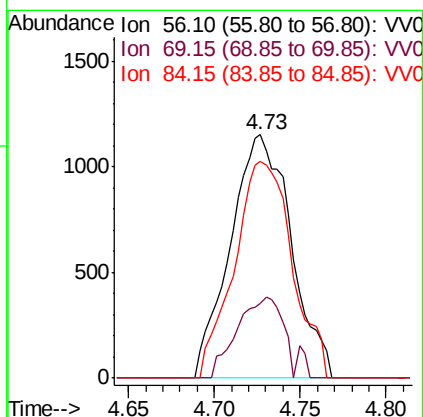
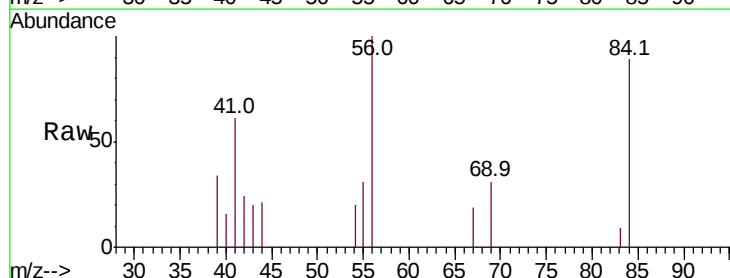
Instrument :
 MSVOA_V
 ClientSampled :

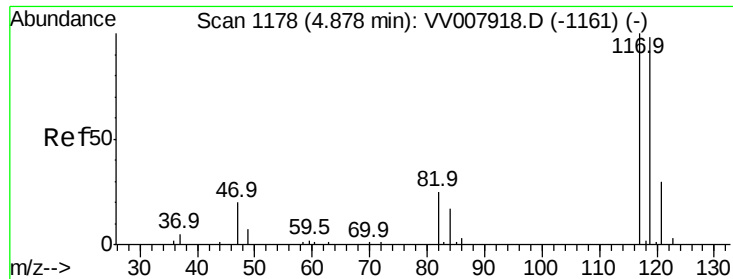
Tot Ion: 62 Resp: 876
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.6 10.0#



#30
 Cyclohexane
 Concen: 0.294 ug/L
 RT: 4.73 min Scan# 1131
 Delta R.T. 0.00 min
 Lab File: VV007932.D
 Acq: 28 Sep 2018 02:40

Tgt Ion: 56 Resp: 2827
 Ion Ratio Lower Upper
 56 100
 69 24.8 24.2 36.4
 84 84.5 69.8 104.8





#31

Carbon tetrachloride

Concen: 9.615 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VV007932.D

Acq: 28 Sep 2018 02:40

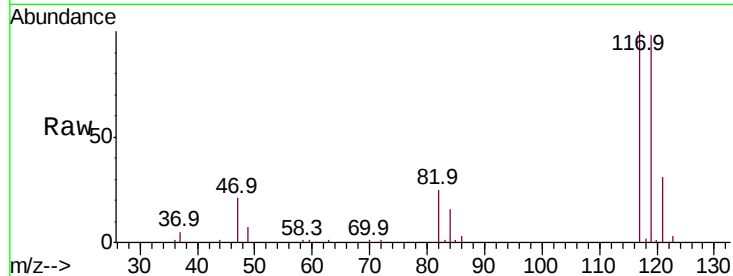
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:117 Resp: 86595

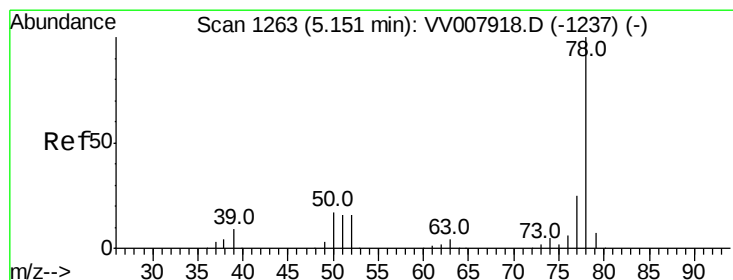
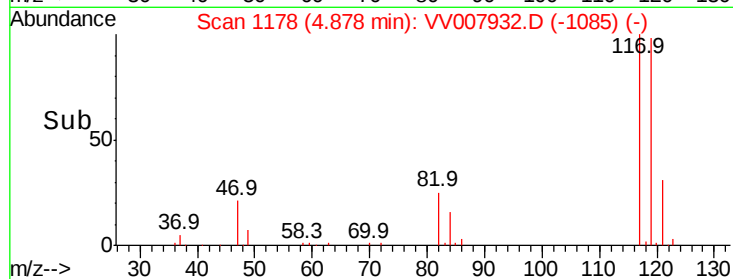
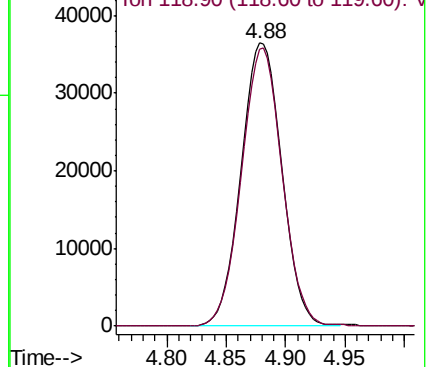
Ion Ratio Lower Upper

117 100

119 97.8 77.8 116.8



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.887 ug/L

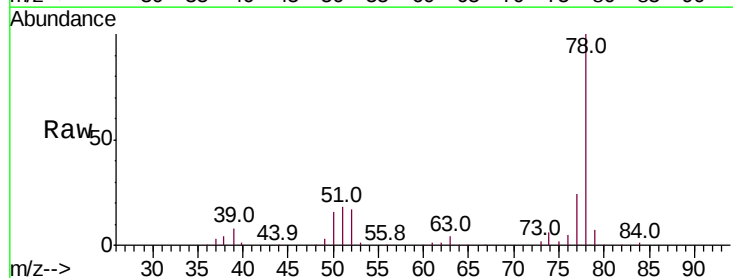
RT: 5.15 min Scan# 1263

Delta R.T. 0.00 min

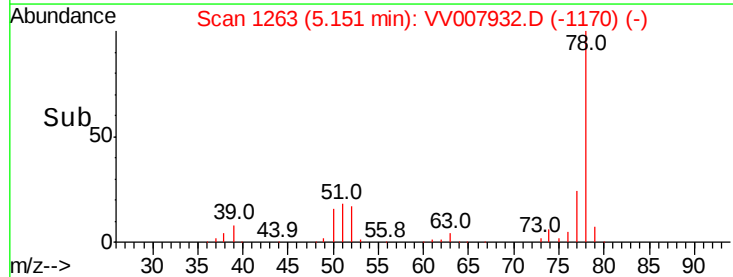
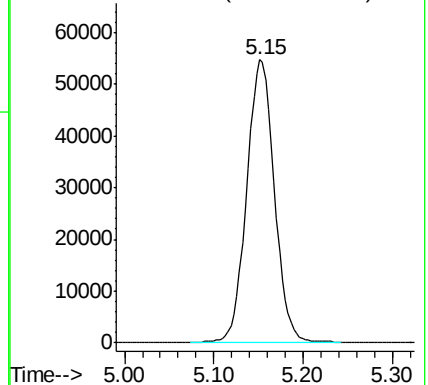
Lab File: VV007932.D

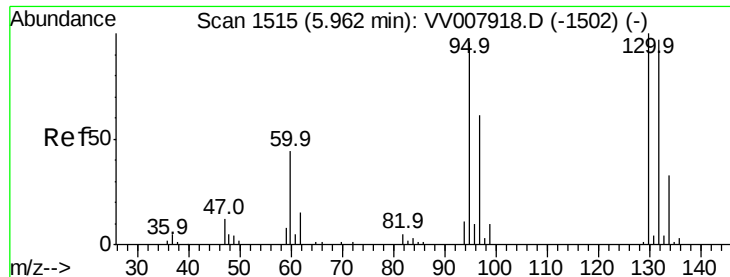
Acq: 28 Sep 2018 02:40

Tgt Ion: 78 Resp: 118881



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.547 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV007932.D

Acq: 28 Sep 2018 02:40

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 95 Resp: 31678

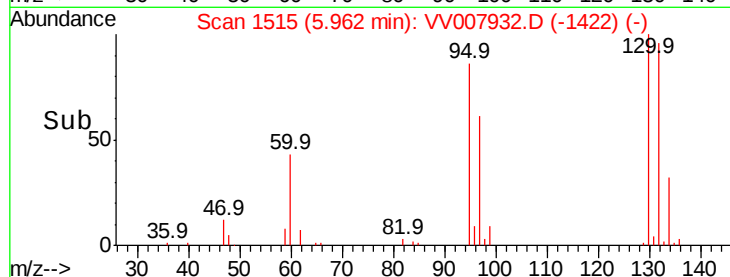
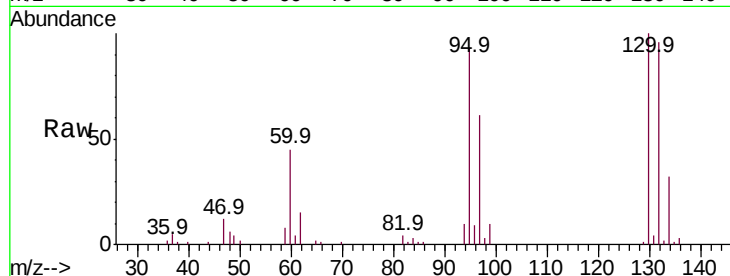
Ion Ratio Lower Upper

95 100

97 65.9 43.6 81.0

132 103.6 69.9 129.9

130 107.6 71.7 133.3

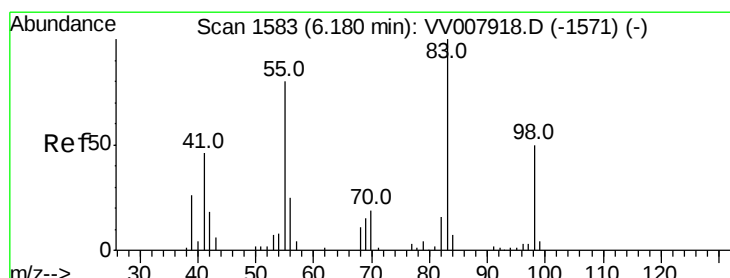
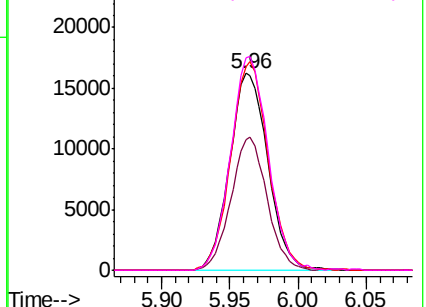


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.726 ug/L

RT: 6.12 min Scan# 1565

Delta R.T. -0.06 min

Lab File: VV007932.D

Acq: 28 Sep 2018 02:40

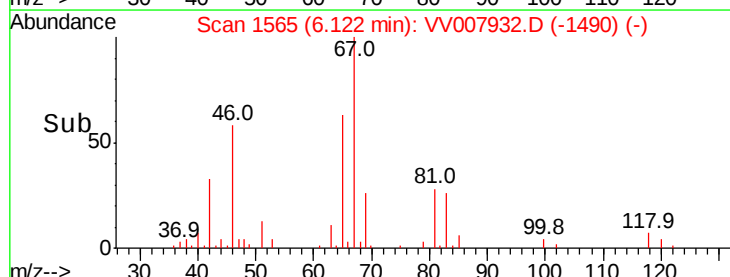
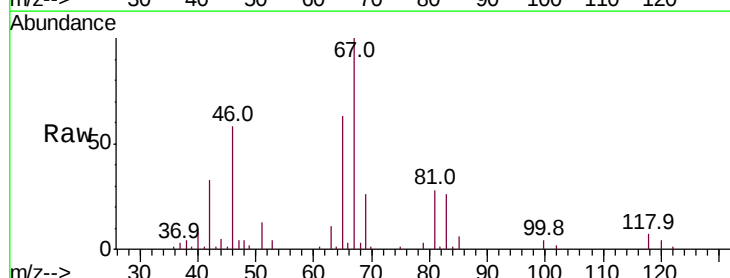
Tgt Ion: 83 Resp: 7579

Ion Ratio Lower Upper

83 100

55 0.0 62.2 93.2#

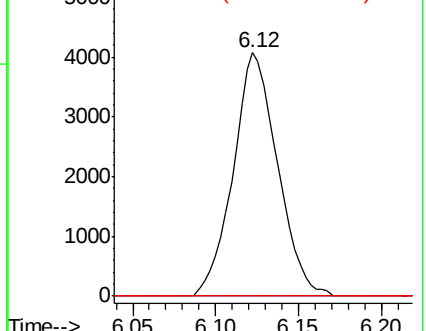
98 0.0 38.0 57.0#

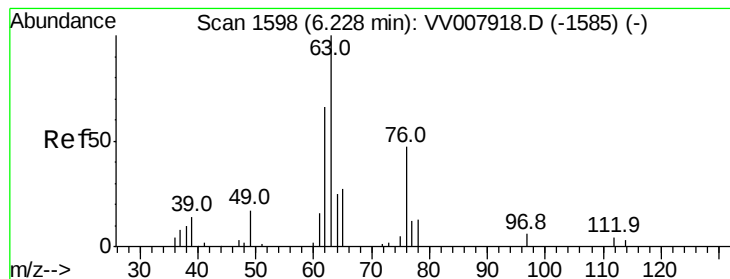


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 0.586 ug/L

RT: 6.12 min Scan# 1565

Delta R.T. -0.11 min

Lab File: VV007932.D

Acq: 28 Sep 2018 02:40

Instrument :

MSVOA_V

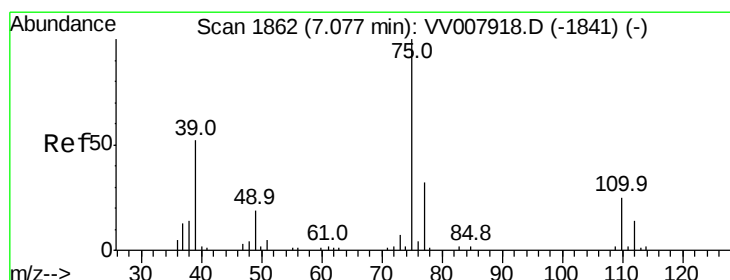
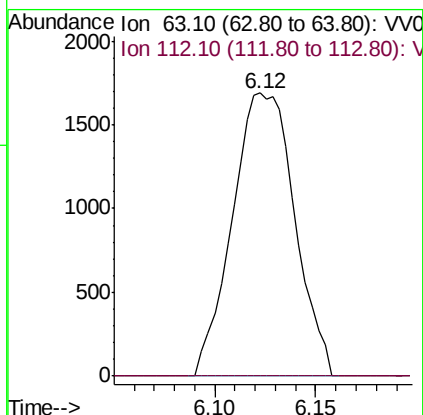
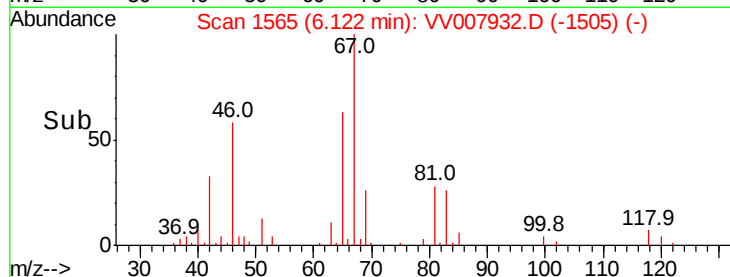
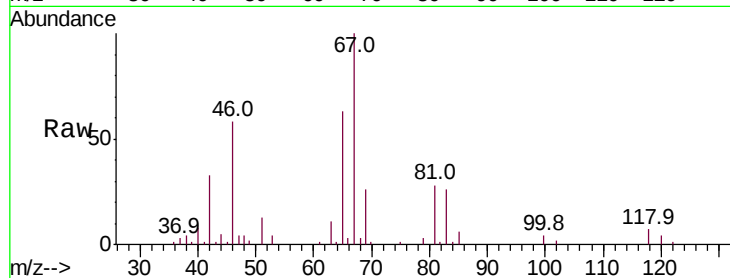
ClientSampleId :

Tot Ion: 63 Resp: 3643

Ion Ratio Lower Upper

63 100

112 0.0 3.4 5.0#



#39

cis-1,3-Dichloropropene

Concen: 0.085 ug/L

RT: 7.04 min Scan# 1849

Delta R.T. -0.04 min

Lab File: VV007932.D

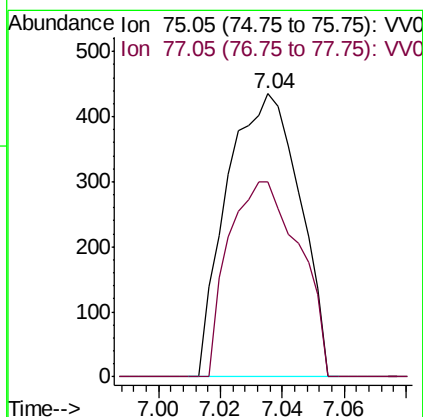
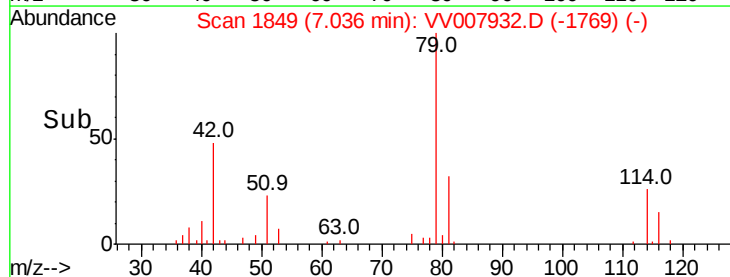
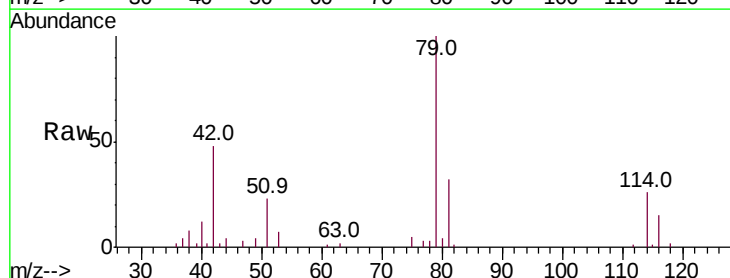
Acq: 28 Sep 2018 02:40

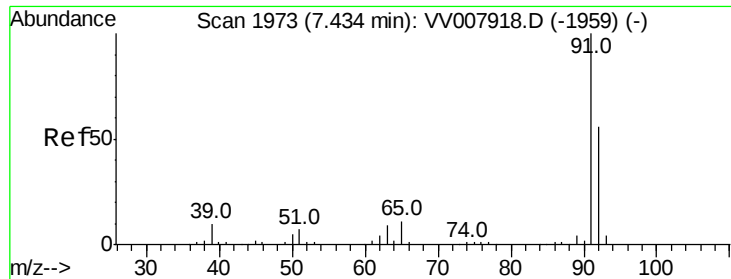
Tgt Ion: 75 Resp: 709

Ion Ratio Lower Upper

75 100

77 69.0 22.9 42.5#





#42

Toluene

Concen: 4.824 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV007932.D

Acq: 28 Sep 2018 02:40

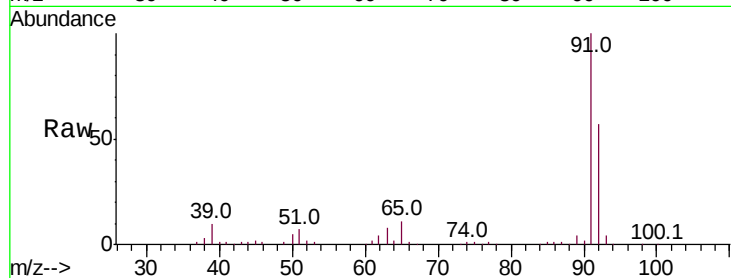
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 127798

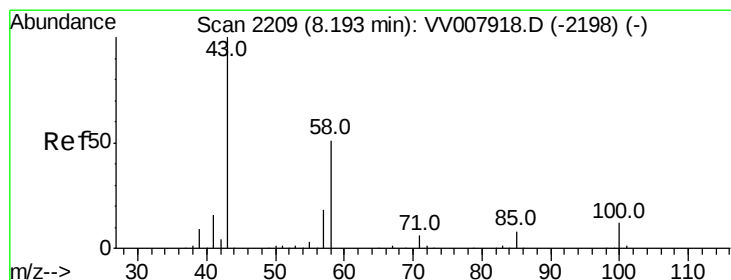
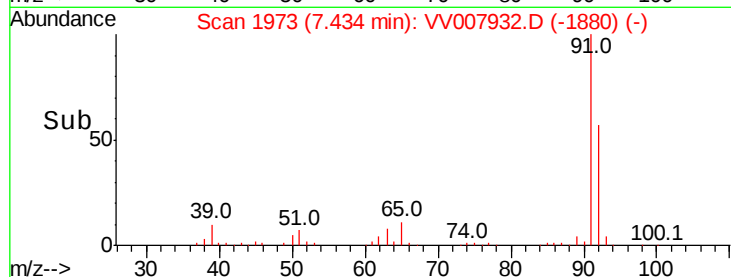
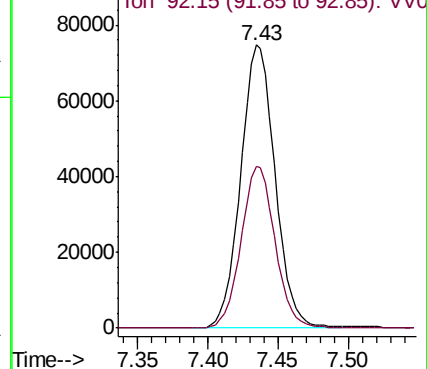
Ion Ratio Lower Upper

91 100

92 57.1 40.8 75.8



Abundance Ion 91.15 (90.85 to 91.85): VV007918.D (-1959) (-)



#48

2-Hexanone

Concen: 2.795 ug/L

RT: 8.14 min Scan# 2193

Delta R.T. -0.05 min

Lab File: VV007932.D

Acq: 28 Sep 2018 02:40

Tgt Ion: 43 Resp: 7582

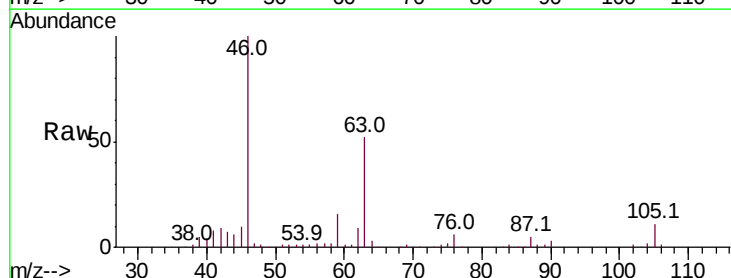
Ion Ratio Lower Upper

43 100

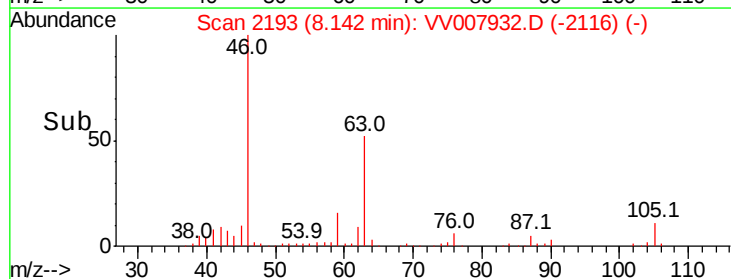
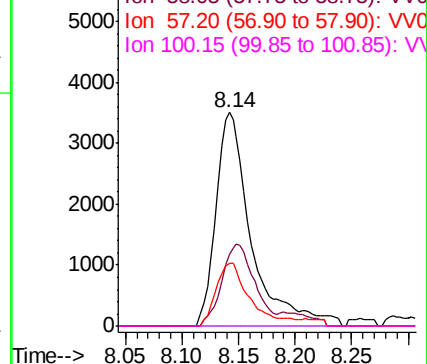
58 36.0 41.9 62.9#

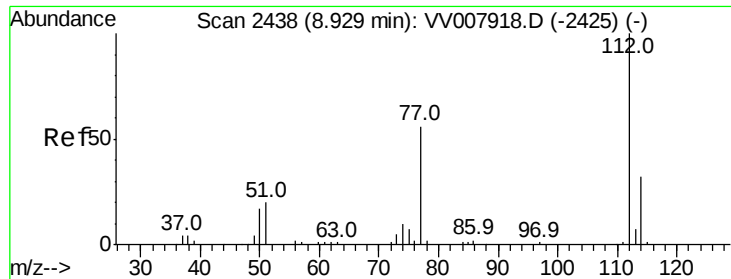
57 28.4 14.3 21.5#

100 0.0 9.2 13.8#



Abundance Ion 43.05 (42.75 to 43.75): VV007918.D (-2198) (-)





#51

Chlorobenzene

Concen: 4.676 ug/L

RT: 8.93 min Scan# 2438

Delta R.T. 0.00 min

Lab File: VV007932.D

Acq: 28 Sep 2018 02:40

Instrument :
MSVOA_V
ClientSampleId :

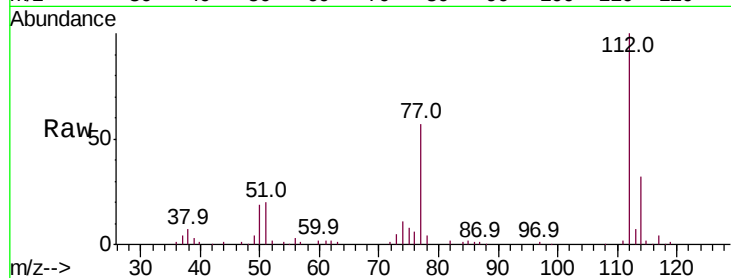
Tot Ion:112 Resp: 85580

Ion Ratio Lower Upper

112 100

114 32.2 22.4 41.6

77 56.7 45.0 67.6



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

