

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV082318\
 Data File : VV007165.D
 Acq On : 24 Aug 2018 01:56
 Operator : SY/MD
 Sample : J4622-10
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 ETBK2

Quant Time: Aug 24 04:32:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM082218WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 24 02:07:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	594462	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	580925	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	240586	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	164264	43.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.94%
7) Chloroethane-d5	1.56	69	130233	54.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	108.40%
11) 1,1-Dichloroethene-d2	2.13	63	221077	31.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.92%
21) 2-Butanone-d5	3.95	46	417117	131.19	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	131.19%#
24) Chloroform-d	4.40	84	357622	44.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.48%
26) 1,2-Dichloroethane-d4	5.09	65	231547	47.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.56%
32) Benzene-d6	5.10	84	718494	44.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.00%
36) 1,2-Dichloropropane-d6	6.12	67	244415	45.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.52%
41) Toluene-d8	7.36	98	574537	40.45	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	80.90%
43) trans-1,3-Dichloropropene-	7.67	79	93809	41.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.04%
47) 2-Hexanone-d5	8.14	63	213884	112.62	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.62%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	373389	48.06	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.12%
64) 1,2-Dichlorobenzene-d4	11.68	152	235031	48.59	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.18%

Target Compounds

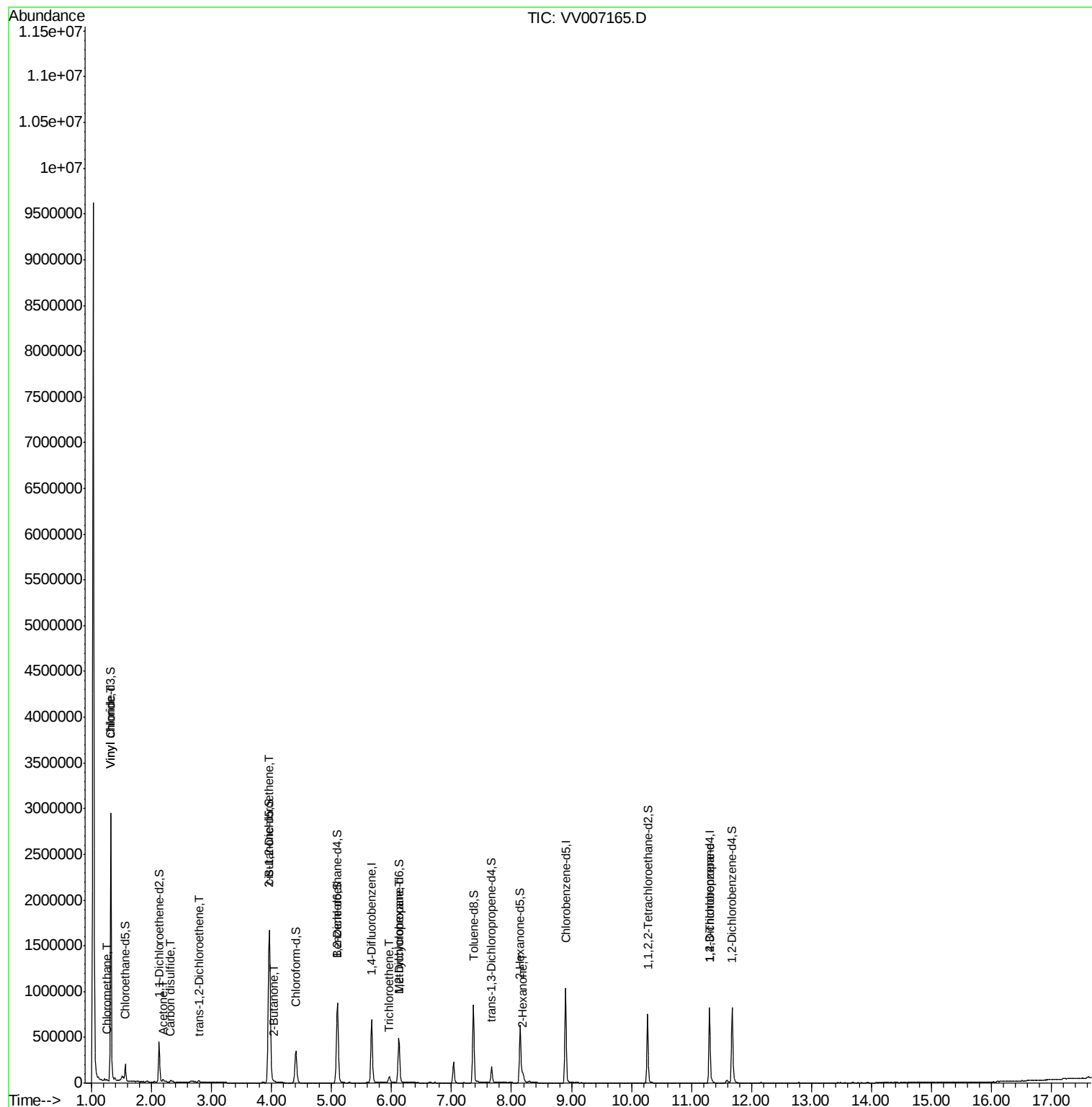
					Qvalue
3) Chloromethane	1.25	50	12964	1.885	ug/L 96
5) Vinyl chloride	1.32	62	1834595	324.960	ug/L 99
13) Acetone	2.20	43	21159	8.483	ug/L 93
14) Carbon disulfide	2.31	76	15642	1.296	ug/L # 91
17) trans-1,2-Dichloroethene	2.79	96	5981	1.394	ug/L 96
20) cis-1,2-Dichloroethene	3.96	96	835776	167.580	ug/L 100
22) 2-Butanone	4.04	43	6292	1.597	ug/L 98
34) Trichloroethene	5.97	95	20892	4.430	ug/L 97
35) Methylcyclohexane	6.12	83	56309	7.503	ug/L # 17
48) 2-Hexanone	8.20	43	44164	8.458	ug/L # 87
59) 1,2,3-Trichloropropane	11.30	75	28214	4.112	ug/L 94

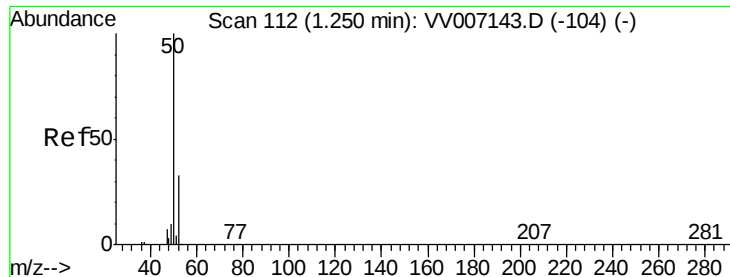
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 1.885 ug/L

RT: 1.25 min Scan# 112

Delta R.T. 0.00 min

Lab File: VV007165.D

Acq: 24 Aug 2018 01:56

Instrument :

MSVOA_V

ClientSampleId :

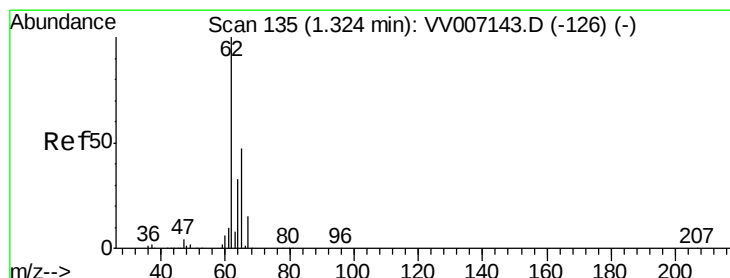
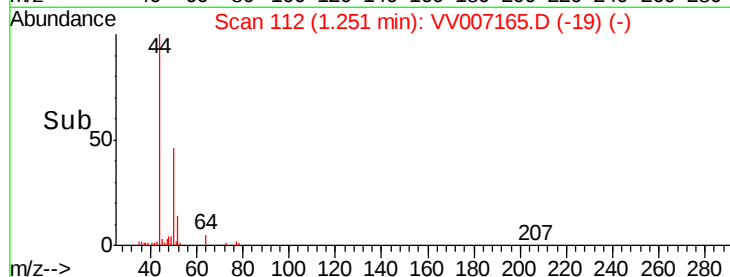
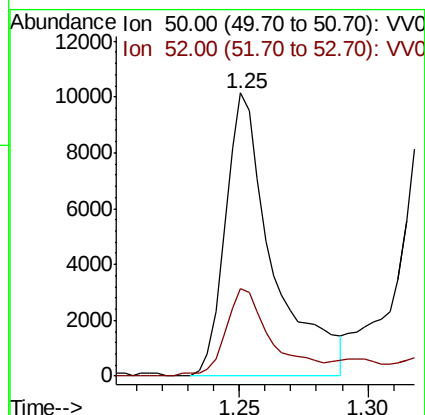
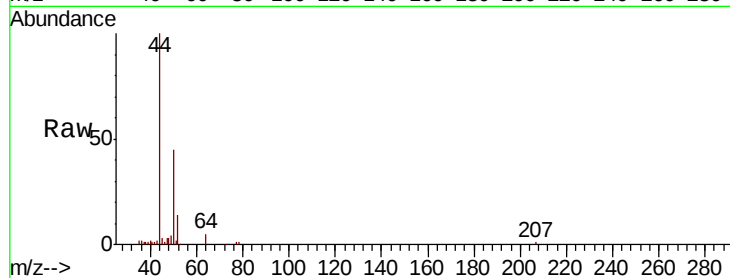
ETBK2

Tgt Ion: 50 Resp: 12964

Ion Ratio Lower Upper

50 100

52 30.8 23.0 42.8



#5

Vinyl chloride

Concen: 324.960 ug/L

RT: 1.32 min Scan# 134

Delta R.T. -0.00 min

Lab File: VV007165.D

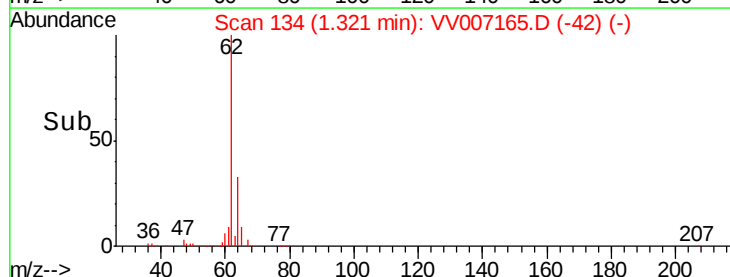
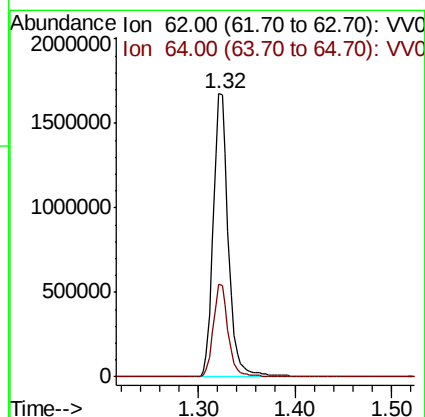
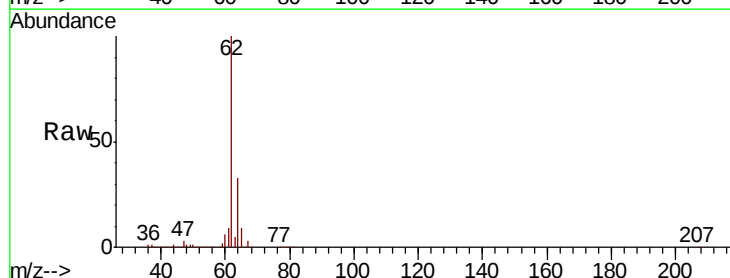
Acq: 24 Aug 2018 01:56

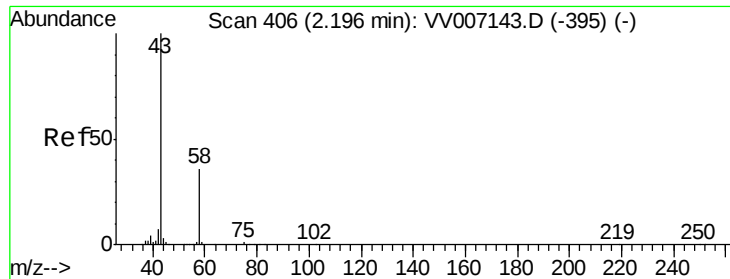
Tgt Ion: 62 Resp: 1834595

Ion Ratio Lower Upper

62 100

64 32.6 23.4 43.4





#13

Acetone

Concen: 8.483 ug/L

RT: 2.20 min Scan# 406

Delta R.T. 0.00 min

Lab File: VV007165.D

Acq: 24 Aug 2018 01:56

Instrument :

MSVOA_V

ClientSampleId :

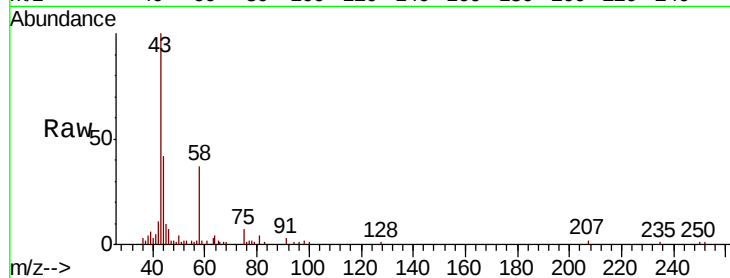
ETBK2

Tgt Ion: 43 Resp: 21159

Ion Ratio Lower Upper

43 100

58 40.6 0.0 73.0



Abundance Ion 43.00 (42.70 to 43.70): VV007143.D (-395) (-)

Ion 58.00 (57.70 to 58.70): VV007143.D (-395) (-)

15000

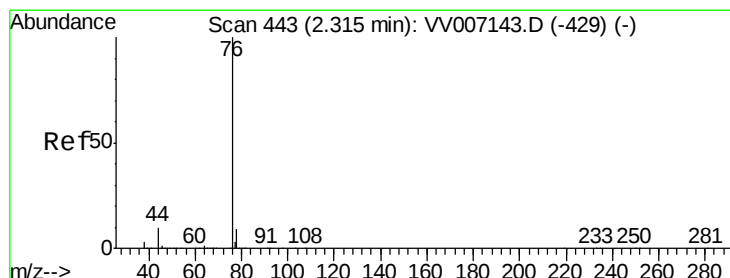
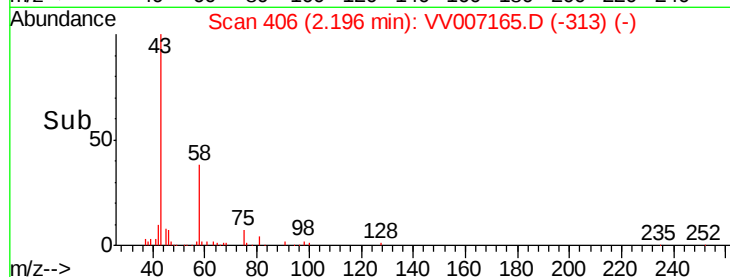
10000

5000

0

2.15 2.20 2.25

Time-->



#14

Carbon disulfide

Concen: 1.296 ug/L

RT: 2.31 min Scan# 443

Delta R.T. 0.00 min

Lab File: VV007165.D

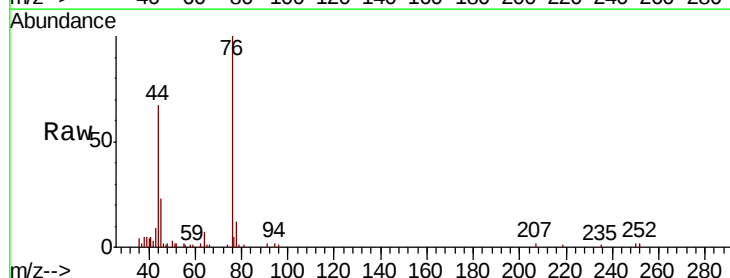
Acq: 24 Aug 2018 01:56

Tgt Ion: 76 Resp: 15642

Ion Ratio Lower Upper

76 100

78 12.4 7.2 10.8#



Abundance Ion 76.00 (75.70 to 76.70): VV007143.D (-429) (-)

Ion 78.00 (77.70 to 78.70): VV007143.D (-429) (-)

12000

10000

8000

6000

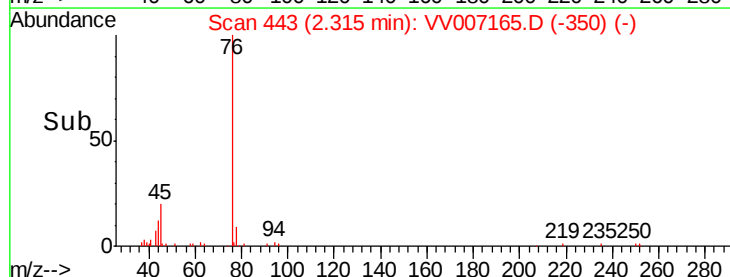
4000

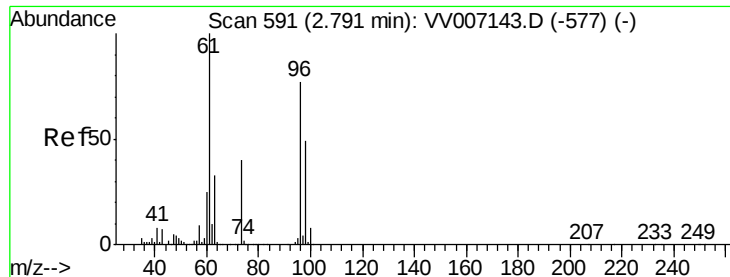
2000

0

2.30 2.35

Time-->





#17

trans-1,2-Dichloroethene

Concen: 1.394 ug/L

RT: 2.79 min Scan# 591

Delta R.T. 0.00 min

Lab File: VV007165.D

Acq: 24 Aug 2018 01:56

Instrument :

MSVOA_V

ClientSampled :

ETBK2

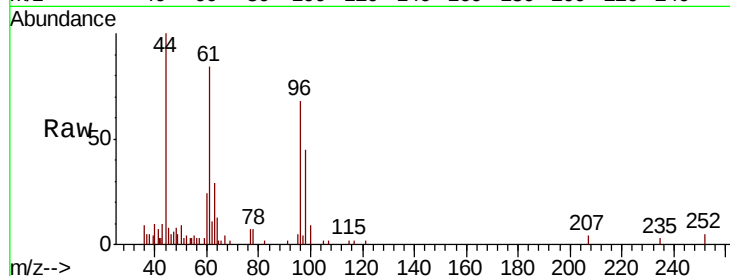
Tgt Ion: 96 Resp: 5981

Ion Ratio Lower Upper

96 100

61 123.2 89.1 165.5

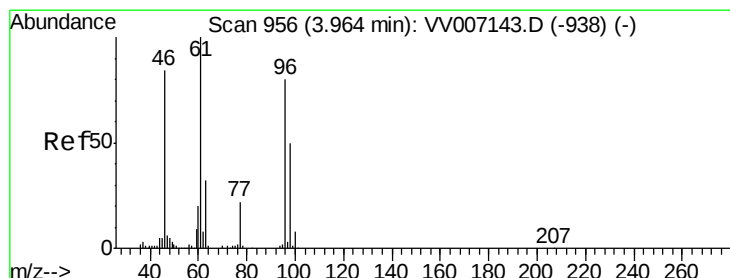
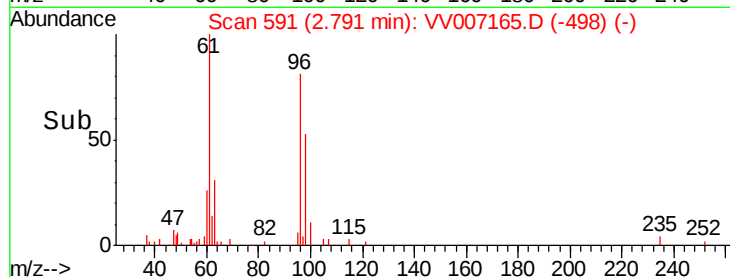
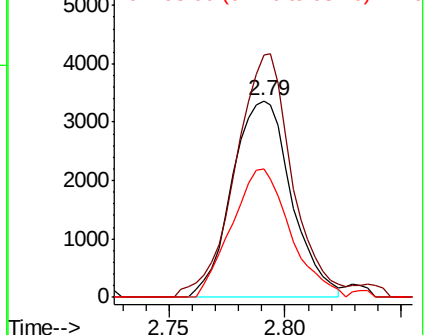
98 65.3 43.6 81.0



Abundance Ion 96.00 (95.70 to 96.70): VV007143.D (-577) (-)

Ion 61.00 (60.70 to 61.70): VV007143.D (-577) (-)

Ion 98.00 (97.70 to 98.70): VV007143.D (-577) (-)



#20

cis-1,2-Dichloroethene

Concen: 167.580 ug/L

RT: 3.96 min Scan# 956

Delta R.T. 0.00 min

Lab File: VV007165.D

Acq: 24 Aug 2018 01:56

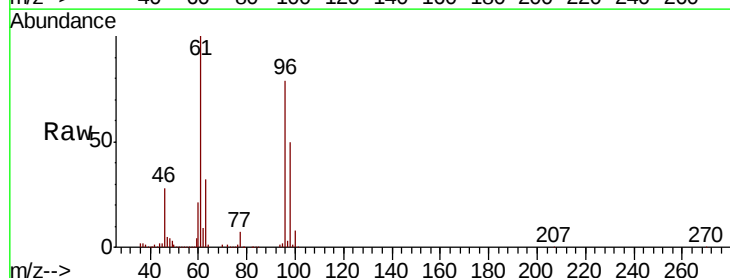
Tgt Ion: 96 Resp: 835776

Ion Ratio Lower Upper

96 100

61 127.0 89.0 165.4

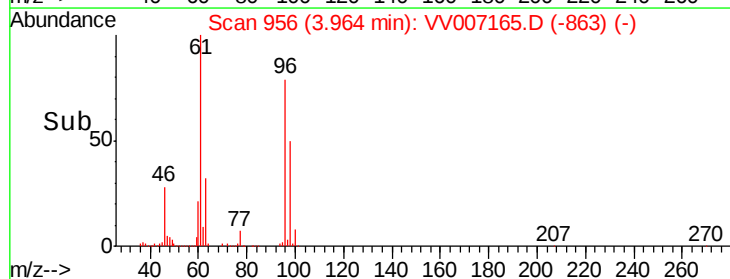
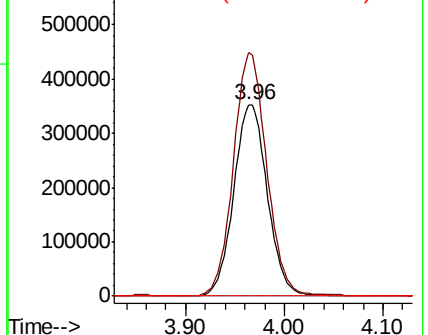
68 0.0 0.0 0.0

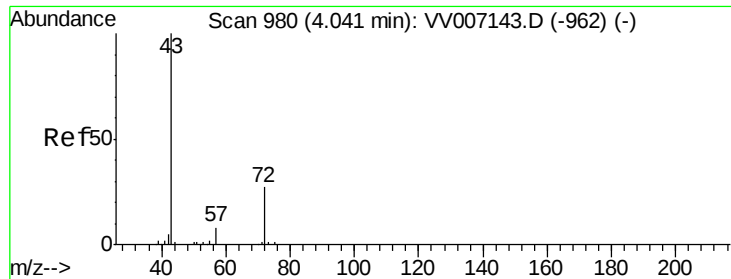


Abundance Ion 96.00 (95.70 to 96.70): VV007143.D (-938) (-)

Ion 61.00 (60.70 to 61.70): VV007143.D (-938) (-)

Ion 68.00 (67.70 to 68.70): VV007143.D (-938) (-)





#22

2-Butanone

Concen: 1.597 ug/L

RT: 4.04 min Scan# 981

Delta R.T. 0.00 min

Lab File: VV007165.D

Acq: 24 Aug 2018 01:56

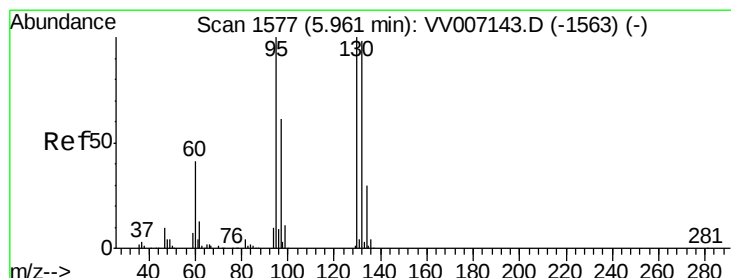
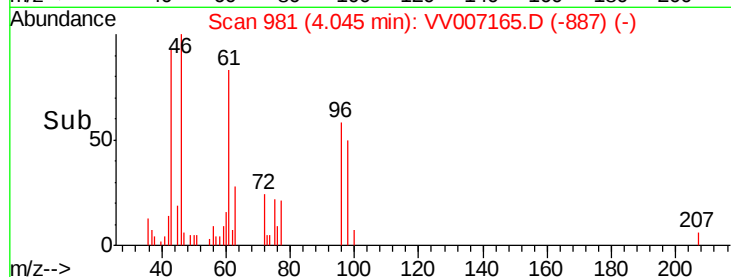
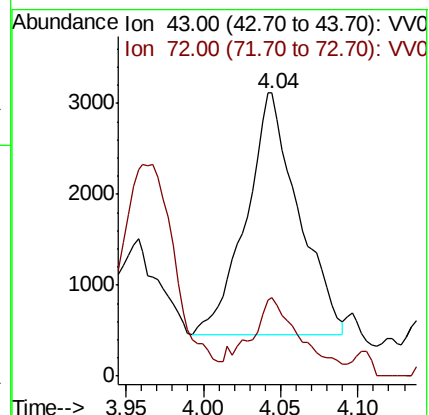
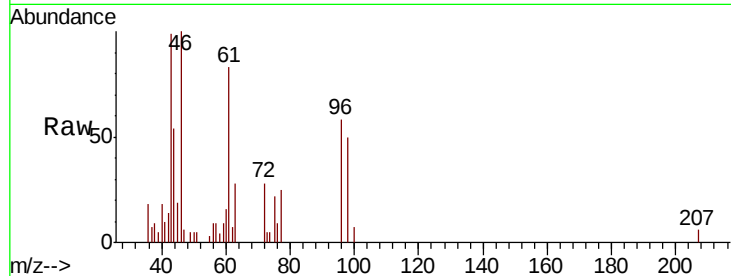
Instrument :
MSVOA_V
ClientSampleId :
ETBK2

Tgt Ion: 43 Resp: 6292

Ion Ratio Lower Upper

43 100

72 26.4 13.6 40.8



#34

Trichloroethene

Concen: 4.430 ug/L

RT: 5.97 min Scan# 1579

Delta R.T. 0.01 min

Lab File: VV007165.D

Acq: 24 Aug 2018 01:56

Tgt Ion: 95 Resp: 20892

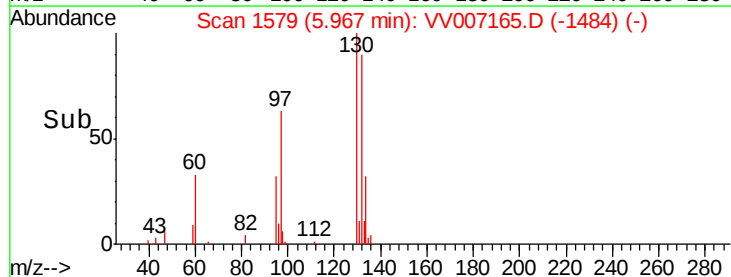
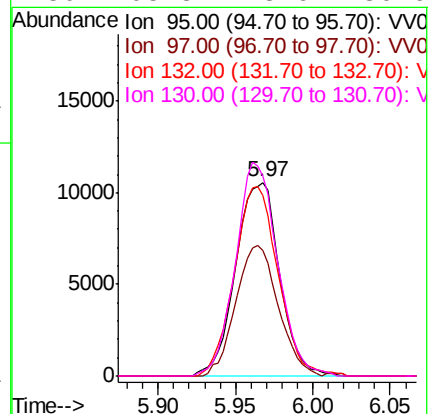
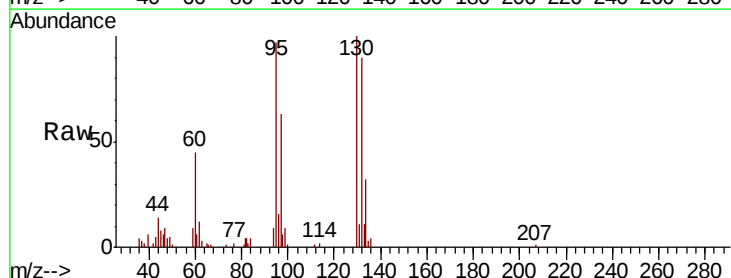
Ion Ratio Lower Upper

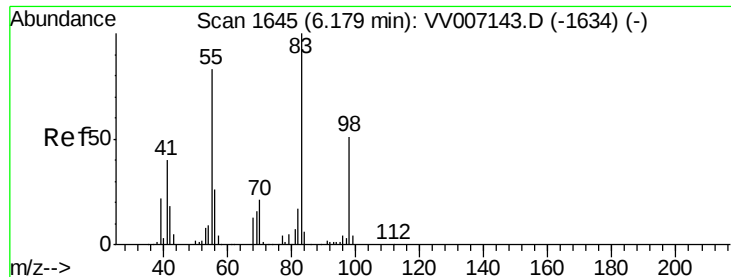
95 100

97 64.7 45.1 83.9

132 93.0 69.7 129.4

130 103.3 73.6 136.6

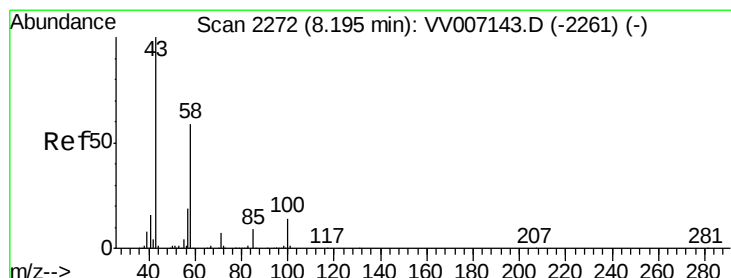
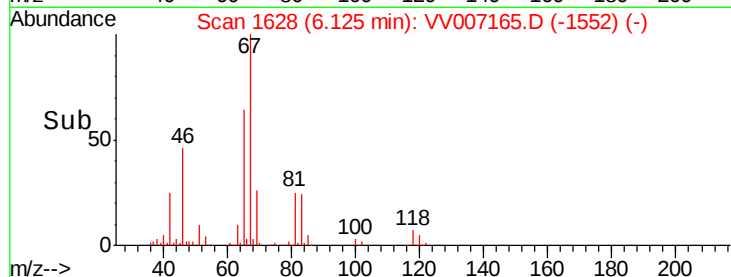
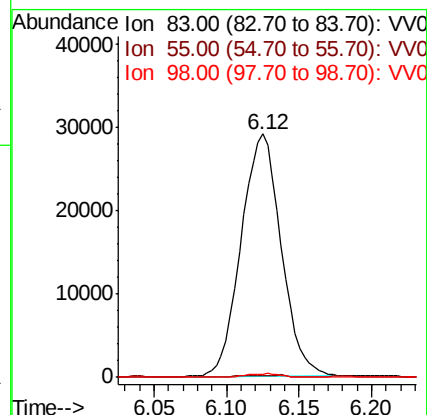
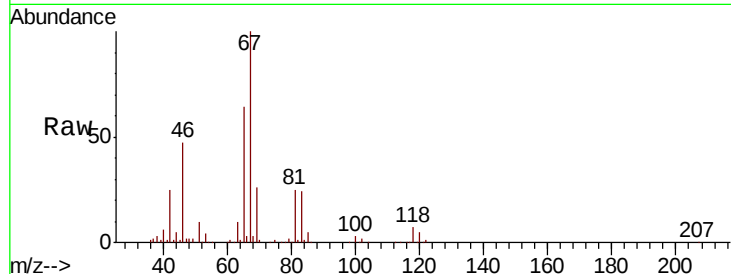




#35
Methylcyclohexane
Concen: 7.503 ug/L
RT: 6.12 min Scan# 1628
Delta R.T. -0.05 min
Lab File: VV007165.D
Acq: 24 Aug 2018 01:56

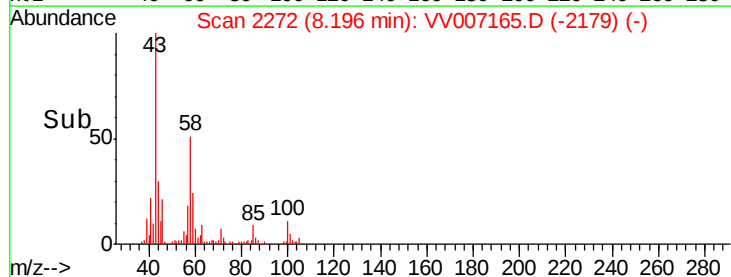
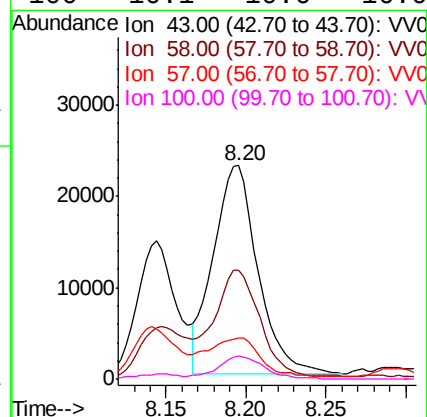
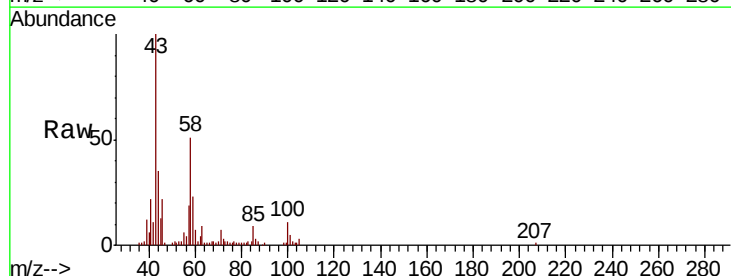
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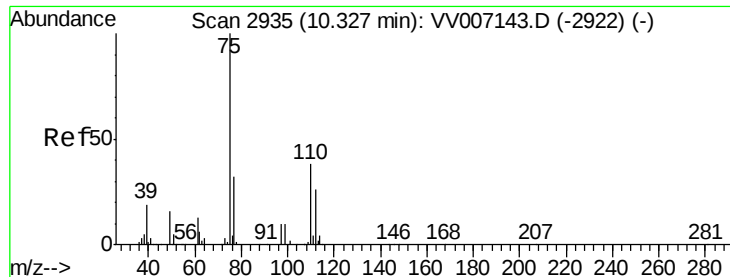
Tgt Ion: 83 Resp: 56309
Ion Ratio Lower Upper
83 100
55 0.5 65.5 98.3#
98 1.2 39.2 58.8#



#48
2-Hexanone
Concen: 8.458 ug/L
RT: 8.20 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV007165.D
Acq: 24 Aug 2018 01:56

Tgt Ion: 43 Resp: 44164
Ion Ratio Lower Upper
43 100
58 47.6 47.9 71.9#
57 16.3 15.8 23.8
100 10.1 10.6 16.0#





#59

1,2,3-Trichloropropane

Concen: 4.112 ug/L

RT: 11.30 min Scan# 3238

Delta R.T. 0.97 min

Lab File: VV007165.D

Acq: 24 Aug 2018 01:56

Instrument :

MSVOA_V

ClientSampleId :

ETBK2

Tgt Ion: 75 Resp: 28214

Ion Ratio Lower Upper

75 100

77 35.5 25.8 38.8

