

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV041819\
 Data File : VV010355.D
 Acq On : 18 Apr 2019 18:17
 Operator : SY/MD
 Sample : K2470-05MS
 Misc : 4.95G/10mL/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A5135MS

Quant Time: Apr 19 06:12:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041819S.M
 Quant Title : VOC Analysis
 QLast Update : Fri Apr 19 06:08:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	301505	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	303994	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	160487	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	68925	18.00	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	72.00%
7) Chloroethane-d5	1.57	69	65595	20.40	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.60%
10) 1,1-Dichloroethene-d2	2.13	63	188385	20.39	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	81.56%
20) 2-Butanone-d5	3.94	46	60106	50.41	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	100.82%
24) Chloroform-d	4.40	84	169743	21.41	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	85.64%
26) 1,2-Dichloroethane-d4	5.08	65	108056	23.09	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	92.36%
29) Benzene-d6	5.10	84	319243	20.52	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	82.08%
33) 1,2-Dichloropropane-d6	6.12	67	100507	22.07	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	88.28%
37) Toluene-d8	7.36	98	299897	20.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	80.20%
38) trans-1,3-Dichloropropene-	7.67	79	45441	20.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	81.16%
39) 2-Hexanone-d5	8.13	63	52953	52.22	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	104.44%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	111385	24.46	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	97.84%
61) 1,2-Dichlorobenzene-d4	11.67	152	144064	22.83	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.32%

Target Compounds

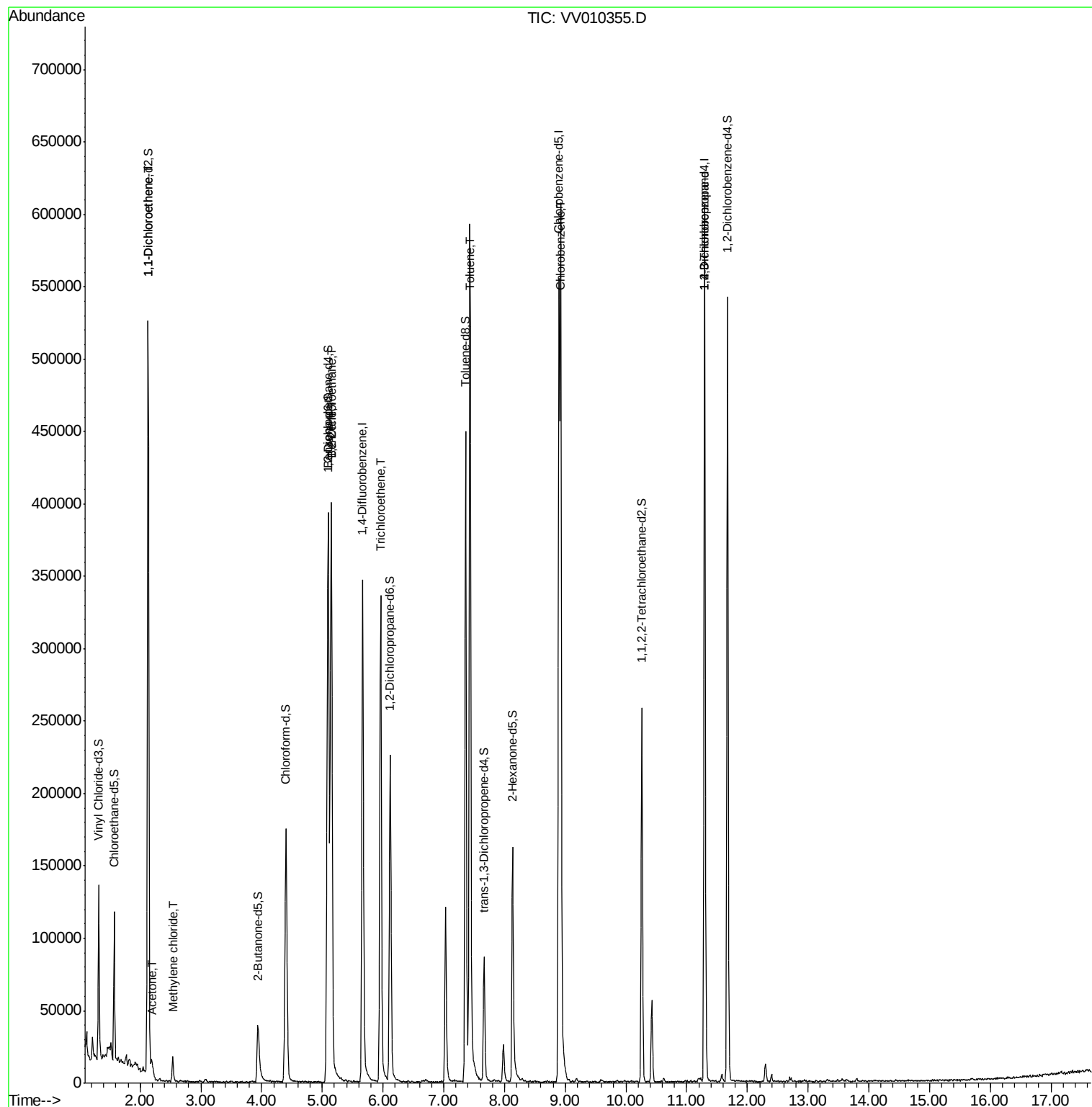
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,1-Dichloroethene	2.14	96	96401	24.612	ug/L	96
13) Acetone	2.19	43	5073	4.032	ug/L	96
16) Methylene chloride	2.54	84	6980	1.449	ug/L	86
27) 1,2-Dichloroethane	5.15	62	3514	0.665	ug/L #	76
34) Benzene	5.15	78	385169	25.964	ug/L	100
35) Trichloroethene	5.96	95	106868	24.349	ug/L	96
44) Toluene	7.43	91	434507	25.982	ug/L	97
52) Chlorobenzene	8.93	112	318637	27.383	ug/L	98
59) 1,2,3-Trichloropropane	11.30	75	19098	5.950	ug/L	91

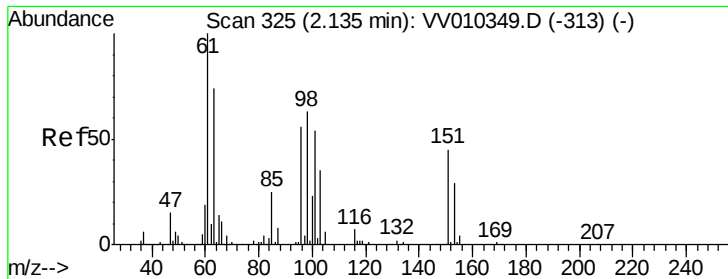
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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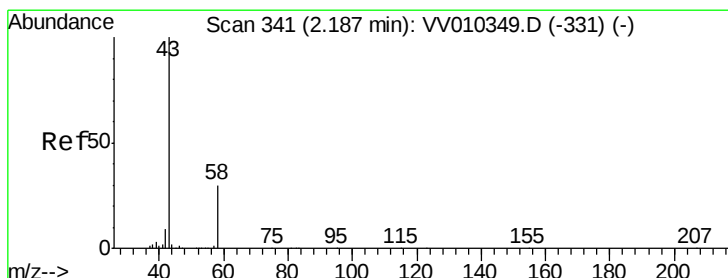
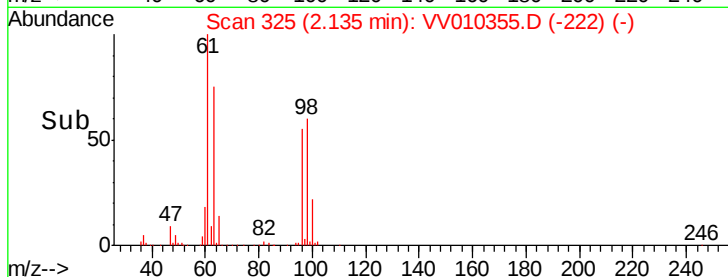
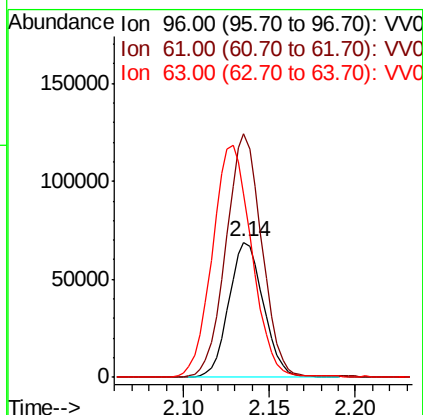
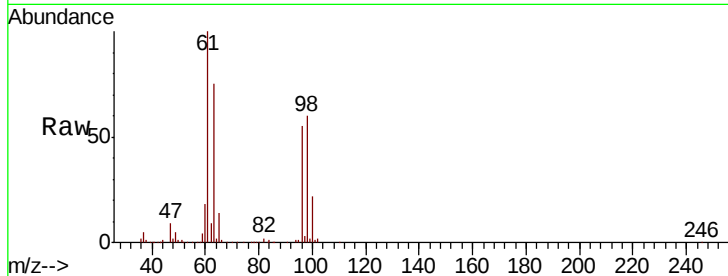




#12
 1,1-Dichloroethene
 Concen: 24.612 ug/L
 RT: 2.14 min Scan# 325
 Delta R.T. 0.00 min
 Lab File: VV010355.D
 Acq: 18 Apr 2019 18:17

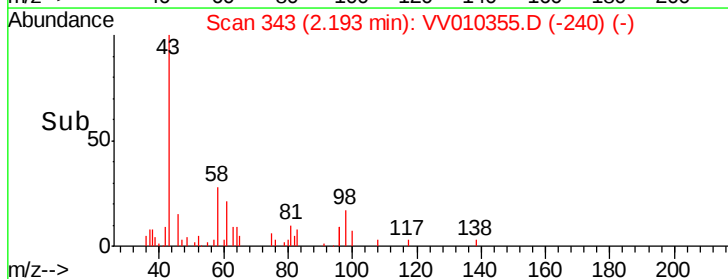
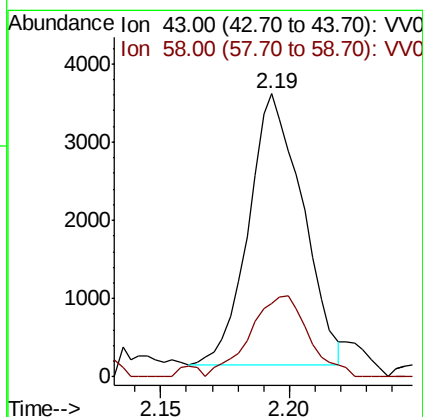
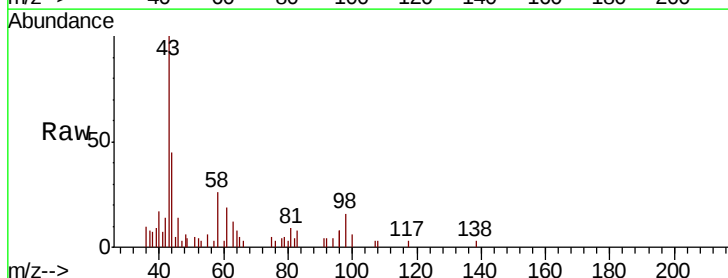
Instrument :
 MSVOA_V
 ClientSampleId :
 A5135MS

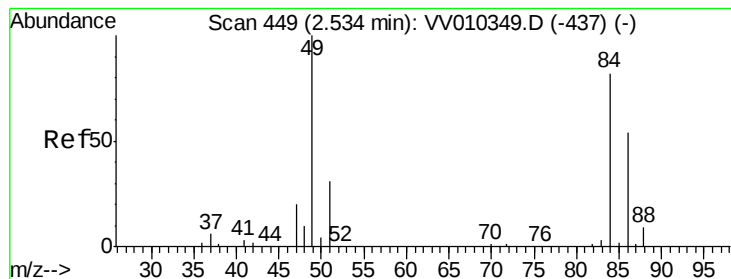
Tgt Ion: 96 Resp: 96401
 Ion Ratio Lower Upper
 96 100
 61 180.4 124.7 231.5
 63 135.7 88.7 164.7



#13
 Acetone
 Concen: 4.032 ug/L
 RT: 2.19 min Scan# 343
 Delta R.T. 0.00 min
 Lab File: VV010355.D
 Acq: 18 Apr 2019 18:17

Tgt Ion: 43 Resp: 5073
 Ion Ratio Lower Upper
 43 100
 58 32.4 0.0 60.0





#16

Methylene chloride

Concen: 1.449 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV010355.D

Acq: 18 Apr 2019 18:17

Instrument :

MSVOA_V

ClientSampleId :

A5135MS

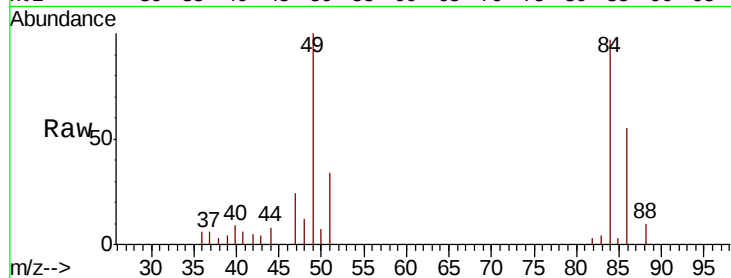
Tgt Ion: 84 Resp: 6980

Ion Ratio Lower Upper

84 100

49 103.3 83.8 155.6

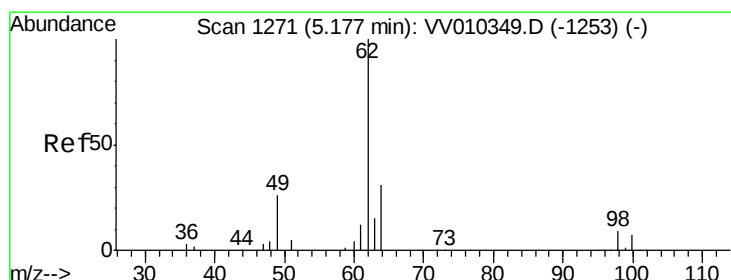
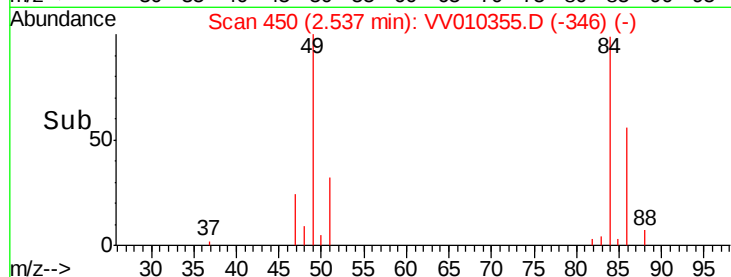
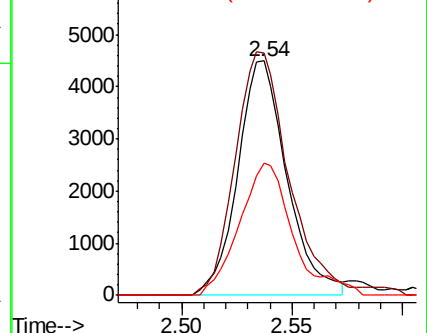
86 56.5 46.1 85.5



Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 49.00 (48.70 to 49.70): VV0

Ion 86.00 (85.70 to 86.70): VV0



#27

1,2-Dichloroethane

Concen: 0.665 ug/L

RT: 5.15 min Scan# 1263

Delta R.T. -0.03 min

Lab File: VV010355.D

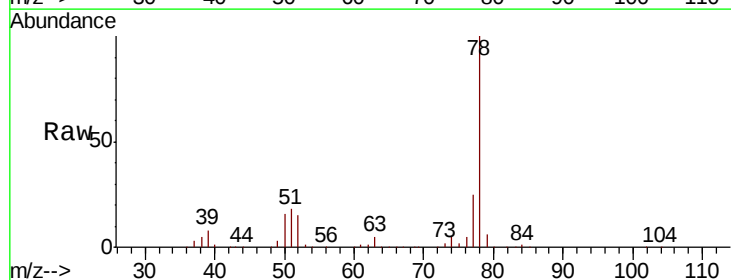
Acq: 18 Apr 2019 18:17

Tgt Ion: 62 Resp: 3514

Ion Ratio Lower Upper

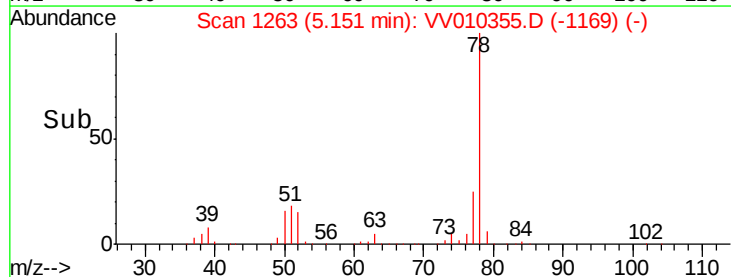
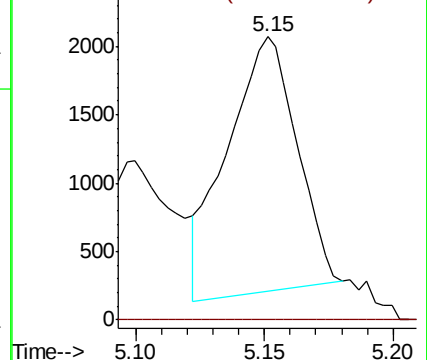
62 100

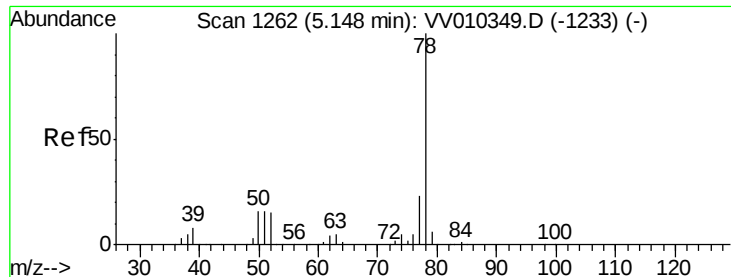
98 0.0 6.8 10.2#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#34

Benzene

Concen: 25.964 ug/L

RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VV010355.D

Acq: 18 Apr 2019 18:17

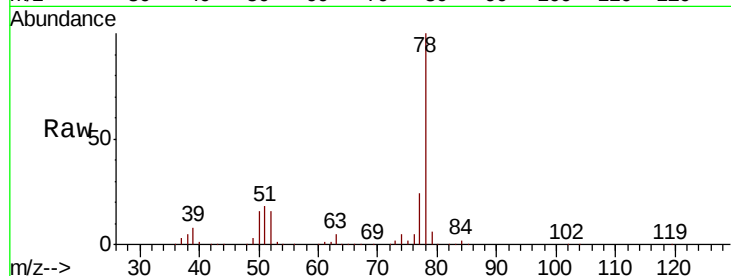
Instrument :

MSVOA_V

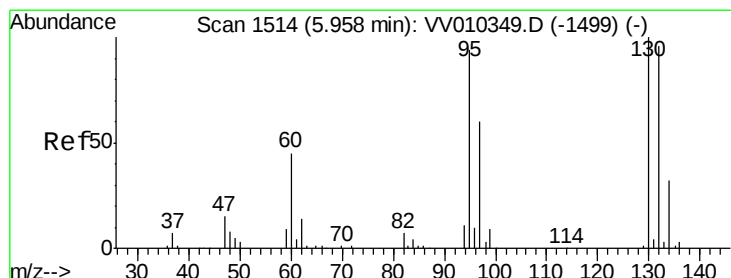
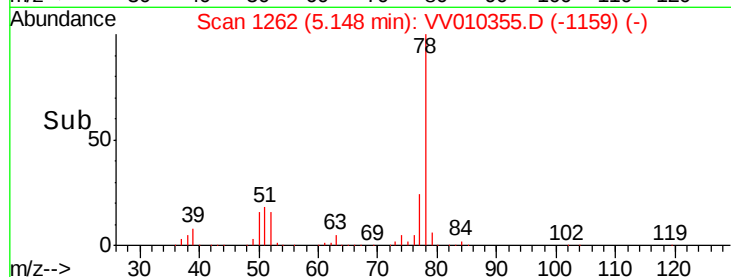
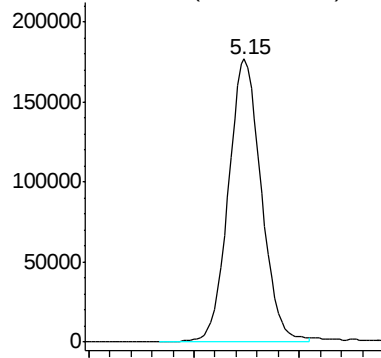
ClientSampleId :

A5135MS

Tgt Ion: 78 Resp: 385169



Abundance Ion 78.00 (77.70 to 78.70): VV0



#35

Trichloroethene

Concen: 24.349 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV010355.D

Acq: 18 Apr 2019 18:17

Tgt Ion: 95 Resp: 106868

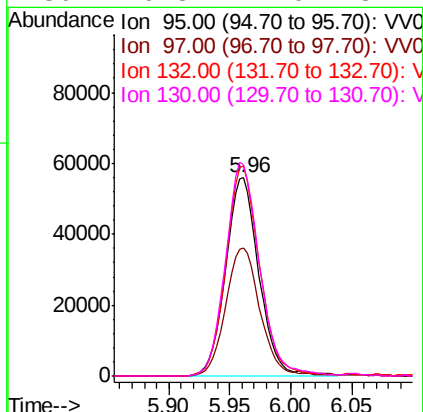
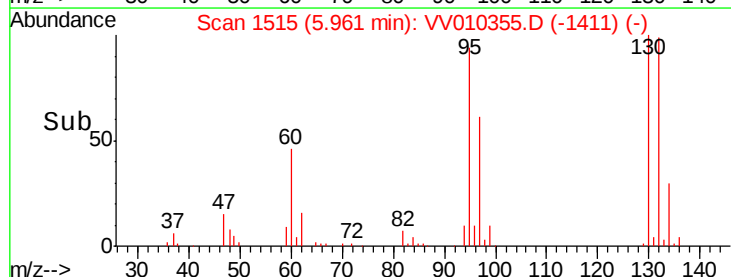
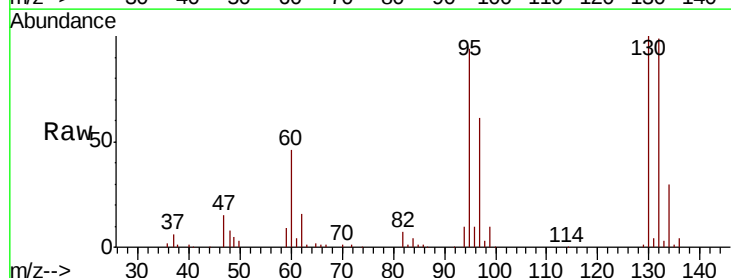
Ion	Ratio	Lower	Upper
95	100		
97	66.6	45.6	84.8
132	106.7	71.5	132.7
130	110.3	74.0	137.4

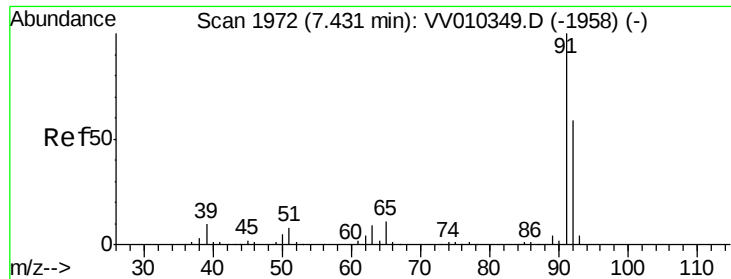
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V





#44

Toluene

Concen: 25.982 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV010355.D

Acq: 18 Apr 2019 18:17

Instrument :

MSVOA_V

ClientSampleId :

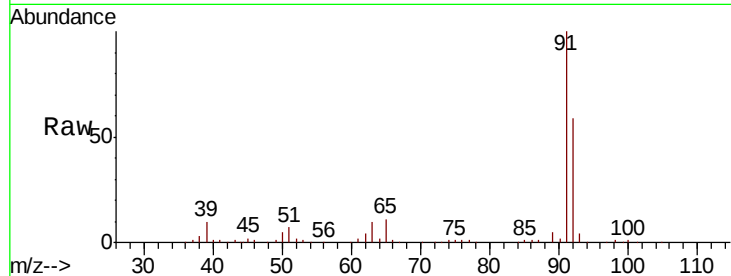
A5135MS

Tgt Ion: 91 Resp: 434507

Ion Ratio Lower Upper

91 100

92 59.3 40.1 74.5



Abundance Ion 91.00 (90.70 to 91.70): VV010349.D (-1958) (-)

Ion 92.00 (91.70 to 92.70): VV010349.D (-1958) (-)

7.43

250000

200000

150000

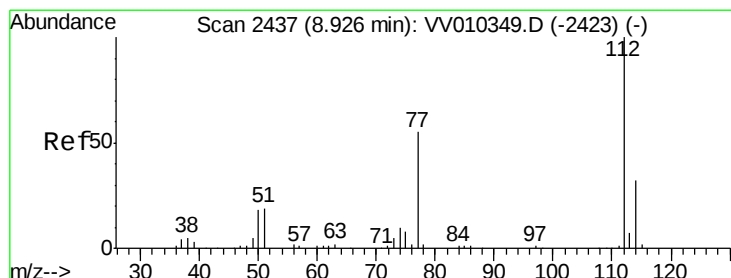
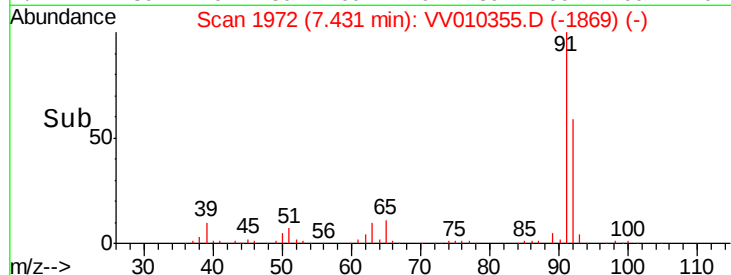
100000

50000

0

7.40 7.50

Time-->



#52

Chlorobenzene

Concen: 27.383 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VV010355.D

Acq: 18 Apr 2019 18:17

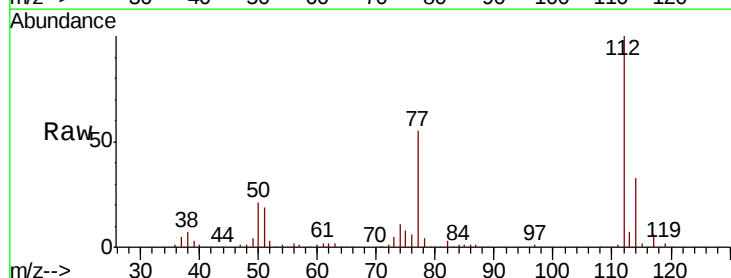
Tgt Ion: 112 Resp: 318637

Ion Ratio Lower Upper

112 100

77 55.1 43.0 64.4

114 32.7 22.5 41.9



Abundance Ion 112.00 (111.70 to 112.70): VV010349.D (-2423) (-)

Ion 77.00 (76.70 to 77.70): VV010349.D (-2423) (-)

Ion 114.00 (113.70 to 114.70): VV010349.D (-2423) (-)

8.93

250000

200000

150000

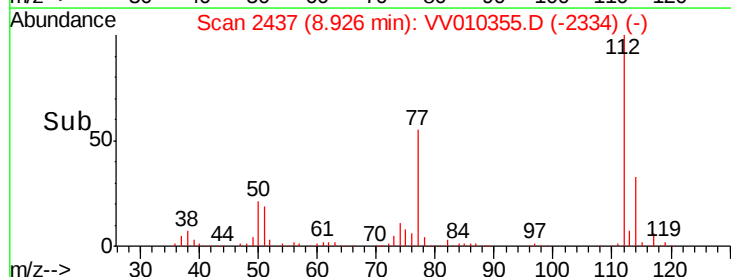
100000

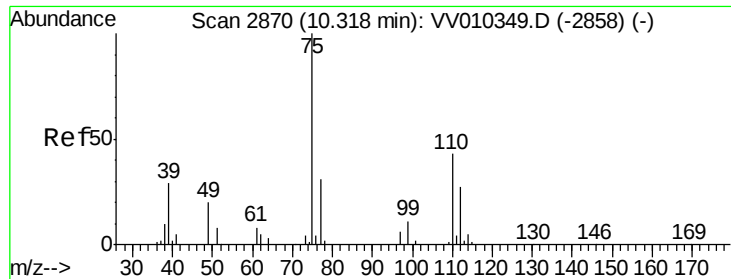
50000

0

8.85 8.90 8.95 9.00 9.05

Time-->





#59

1,2,3-Trichloropropane

Concen: 5.950 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.98 min

Lab File: VV010355.D

Acq: 18 Apr 2019 18:17

Instrument :

MSVOA_V

ClientSampleId :

A5135MS

Tgt Ion: 75 Resp: 19098

Ion Ratio Lower Upper

75 100

77 37.1 25.8 38.8

