

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV030819\
 Data File : VV009550.D
 Acq On : 08 Mar 2019 20:17
 Operator : SY/MD
 Sample : K1736-15
 Misc : 4.60G/10ML/MSVOA_V/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BF629

Quant Time: Mar 09 01:28:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM030519S.M
 Quant Title : VOC Analysis
 QLast Update : Sat Mar 09 01:24:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	71855	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	62730	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	21577	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	17360	20.07	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	80.28%
7) Chloroethane-d5	1.57	69	20889	16.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	66.80%
10) 1,1-Dichloroethene-d2	2.13	63	40338	17.92	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	71.68%
20) 2-Butanone-d5	3.94	46	12980	44.04	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.08%
24) Chloroform-d	4.40	84	47890	27.98	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	111.92%
26) 1,2-Dichloroethane-d4	5.08	65	29855	30.66	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	122.64%
29) Benzene-d6	5.10	84	92223	29.68	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	118.72%
33) 1,2-Dichloropropane-d6	6.12	67	29676	32.37	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	129.48%#
37) Toluene-d8	7.36	98	80634	26.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	106.48%
38) trans-1,3-Dichloropropene-	7.67	79	10997	24.75	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.00%
39) 2-Hexanone-d5	8.13	63	10678	49.90	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	99.80%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	27860	28.51	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	114.04%
61) 1,2-Dichlorobenzene-d4	11.68	152	21915	27.82	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	111.28%

Target Compounds

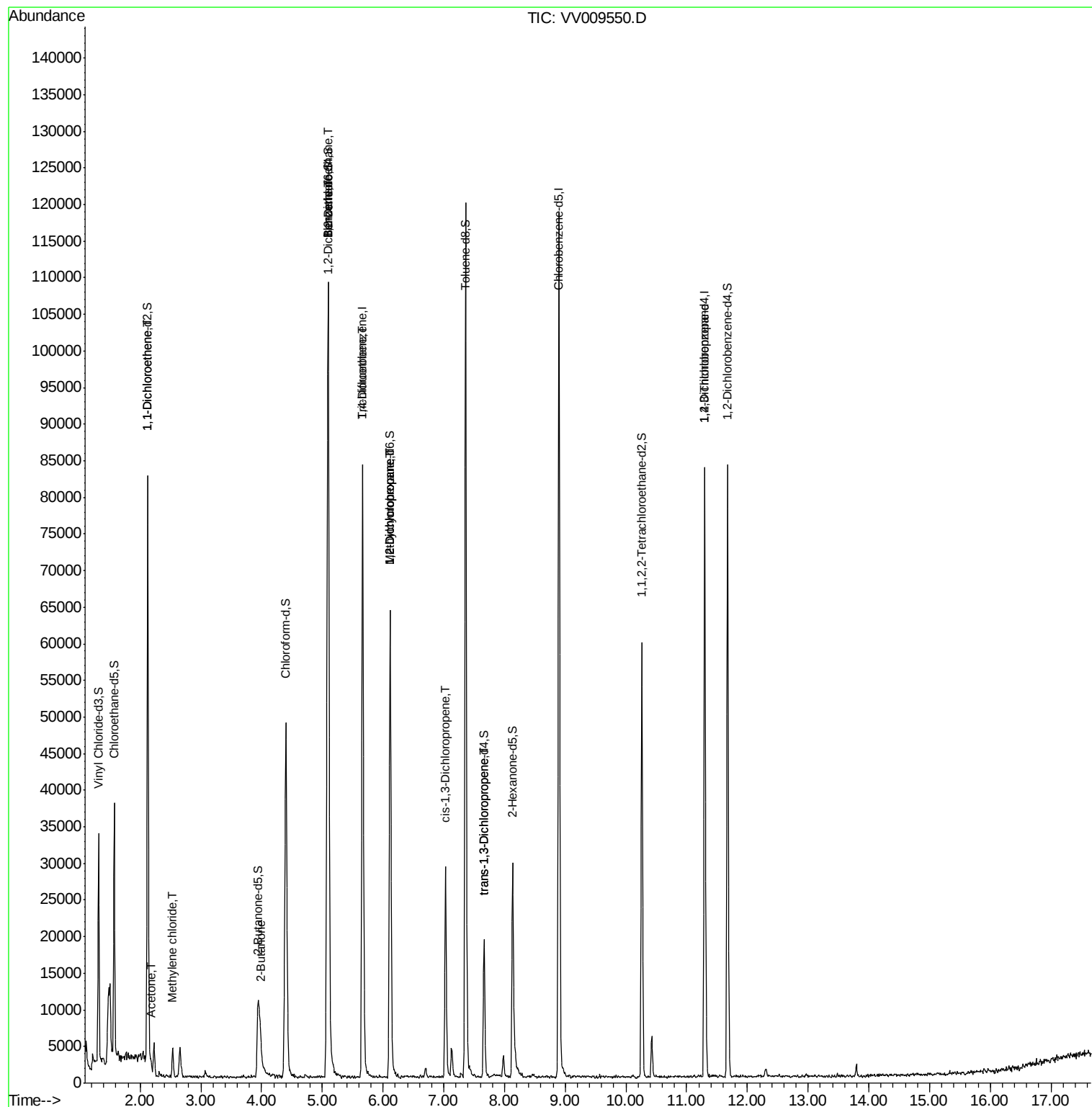
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,1-Dichloroethene	2.13	96	476	0.498	ug/L #	1
13) Acetone	2.19	43	779	2.599	ug/L	92
16) Methylene chloride	2.54	84	1786	1.894	ug/L	79
21) 2-Butanone	3.99	43	640	1.692	ug/L #	48
27) 1,2-Dichloroethane	5.10	62	540	0.461	ug/L #	77
34) Benzene	5.09	78	801	0.247	ug/L	100
35) Trichloroethene	5.67	95	2241	2.406	ug/L #	6
36) Methylcyclohexane	6.12	83	7306	4.815	ug/L #	20
40) 1,2-Dichloropropane	6.12	63	3618	4.329	ug/L #	89
42) cis-1,3-Dichloropropene	7.03	75	923	0.711	ug/L	90
45) trans-1,3-Dichloropropene	7.67	75	534	0.471	ug/L #	37
59) 1,2,3-Trichloropropane	11.29	75	3527	4.990	ug/L	96

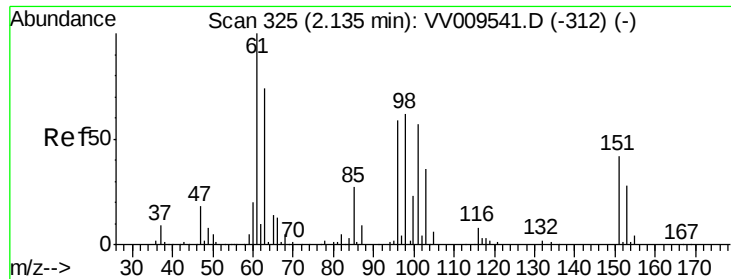
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.498 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV009550.D

Acq: 08 Mar 2019 20:17

Instrument :

MSVOA_V

ClientSampleId :

BF629

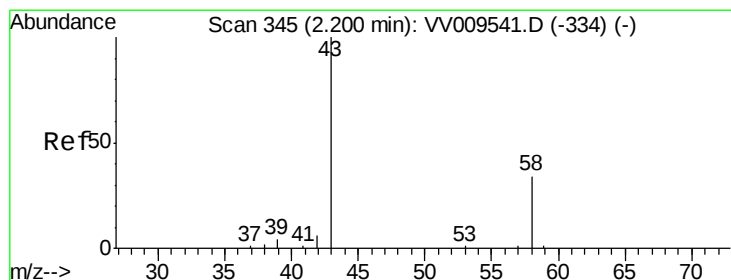
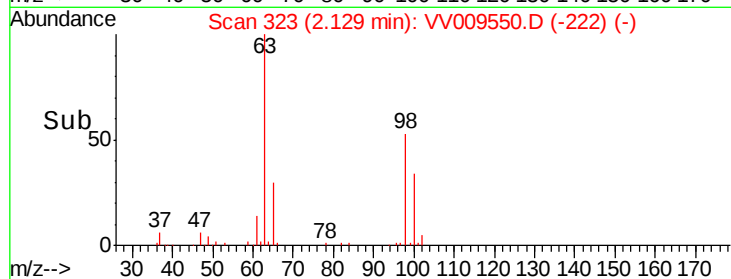
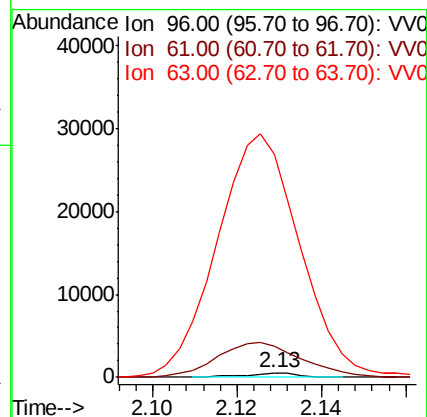
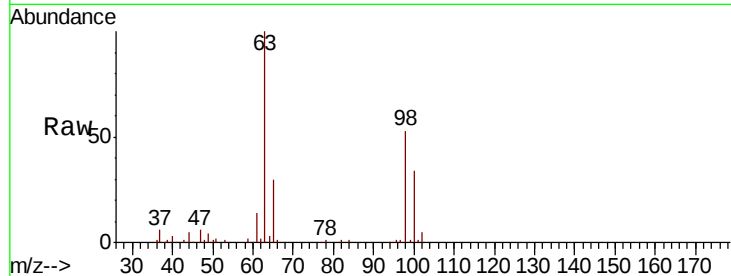
Tgt Ion: 96 Resp: 476

Ion Ratio Lower Upper

96 100

61 712.6 136.9 254.3#

63 5213.2 108.7 201.9#



#13

Acetone

Concen: 2.599 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.01 min

Lab File: VV009550.D

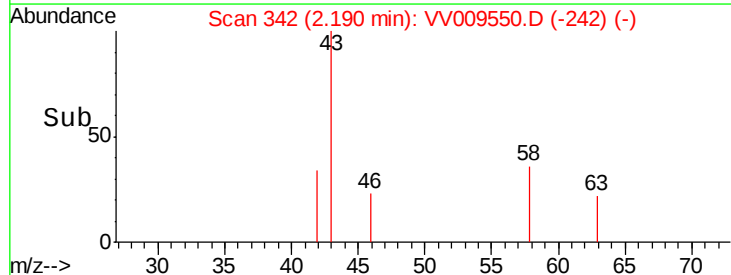
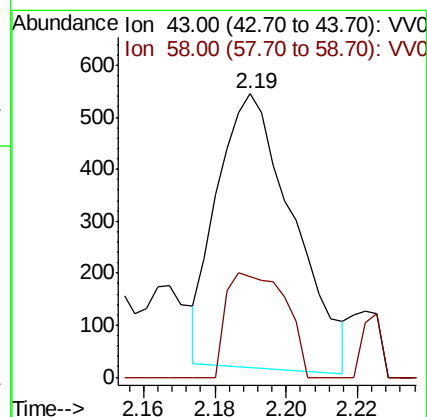
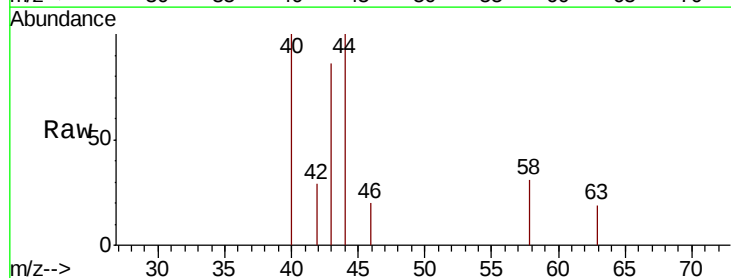
Acq: 08 Mar 2019 20:17

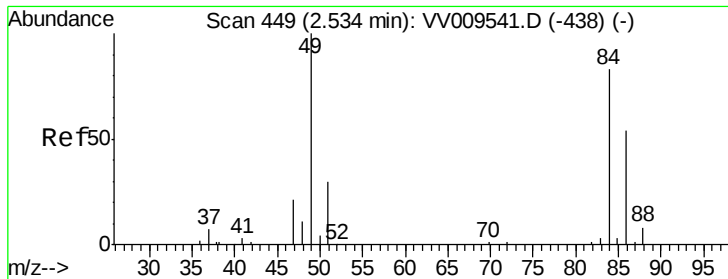
Tgt Ion: 43 Resp: 779

Ion Ratio Lower Upper

43 100

58 29.5 0.0 68.8

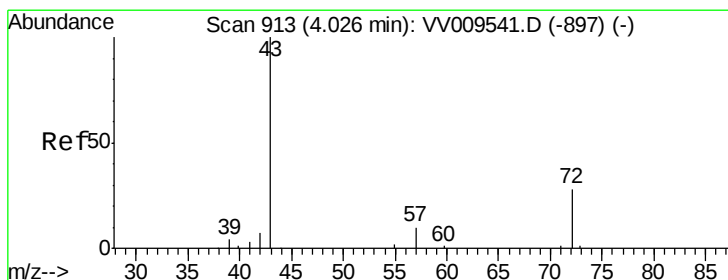
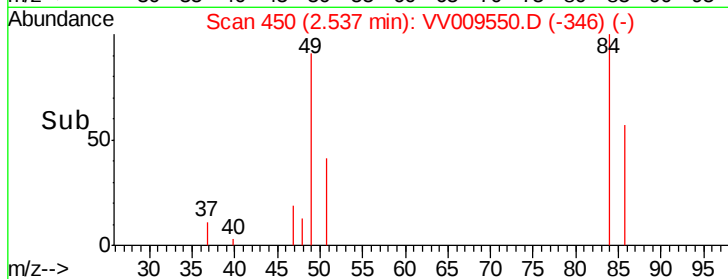
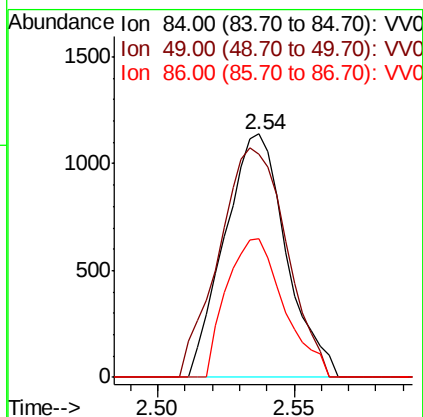
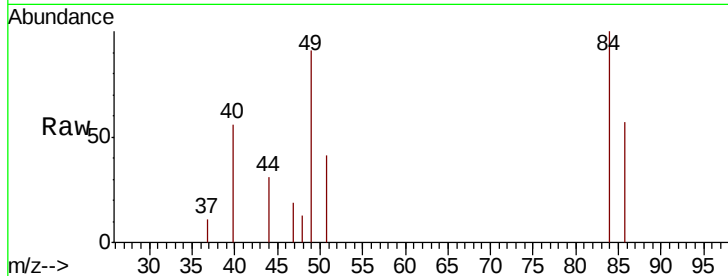




#16
Methylene chloride
Concen: 1.894 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV009550.D
Acq: 08 Mar 2019 20:17

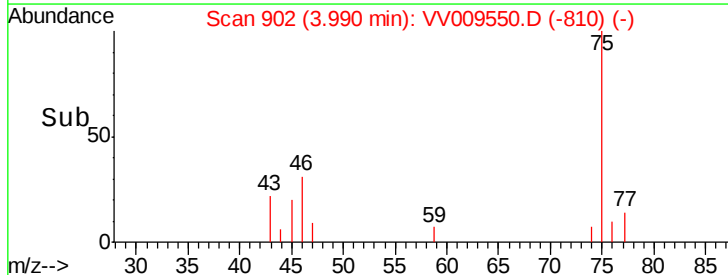
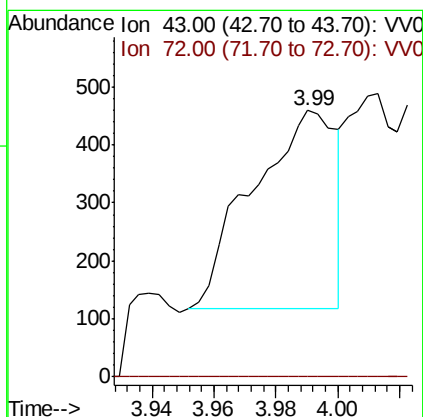
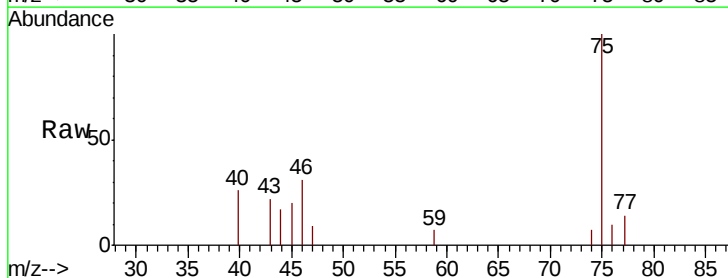
Instrument :
MSVOA_V
ClientSampleId :
BF629

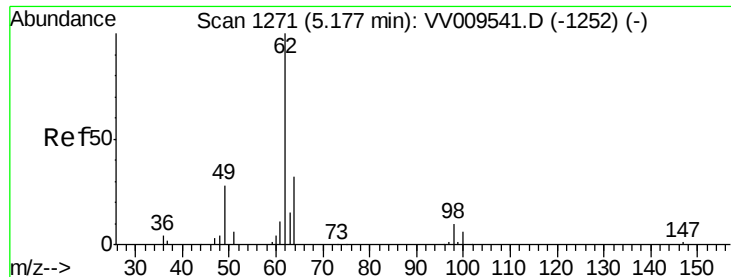
Tgt Ion: 84 Resp: 1786
Ion Ratio Lower Upper
84 100
49 91.5 84.6 157.0
86 57.0 46.1 85.7



#21
2-Butanone
Concen: 1.692 ug/L
RT: 3.99 min Scan# 902
Delta R.T. -0.04 min
Lab File: VV009550.D
Acq: 08 Mar 2019 20:17

Tgt Ion: 43 Resp: 640
Ion Ratio Lower Upper
43 100
72 0.0 13.7 41.0#





#27

1,2-Dichloroethane

Concen: 0.461 ug/L

RT: 5.10 min Scan# 1248

Delta R.T. -0.07 min

Lab File: VV009550.D

Acq: 08 Mar 2019 20:17

Instrument :

MSVOA_V

ClientSampleId :

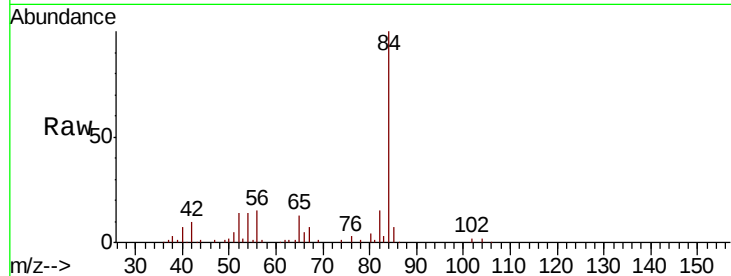
BF629

Tgt Ion: 62 Resp: 540

Ion Ratio Lower Upper

62 100

98 0.0 6.6 10.0#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

5.10

400

300

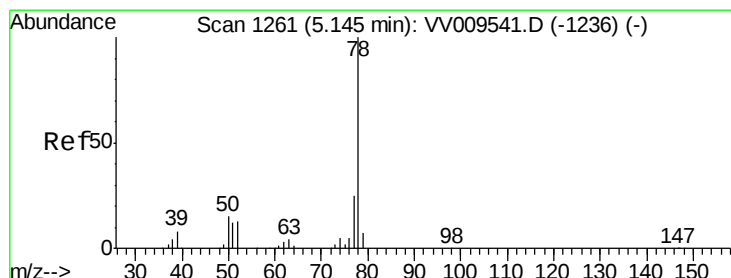
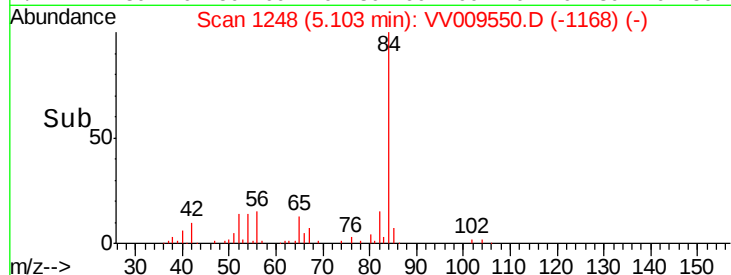
200

100

0

5.08 5.10 5.12

Time-->



#34

Benzene

Concen: 0.247 ug/L

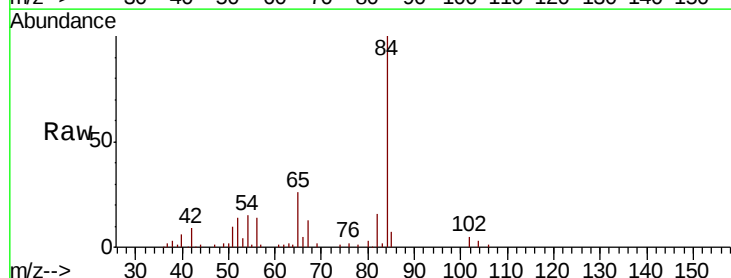
RT: 5.09 min Scan# 1245

Delta R.T. -0.05 min

Lab File: VV009550.D

Acq: 08 Mar 2019 20:17

Tgt Ion: 78 Resp: 801



Abundance Ion 78.00 (77.70 to 78.70): VV0

400

300

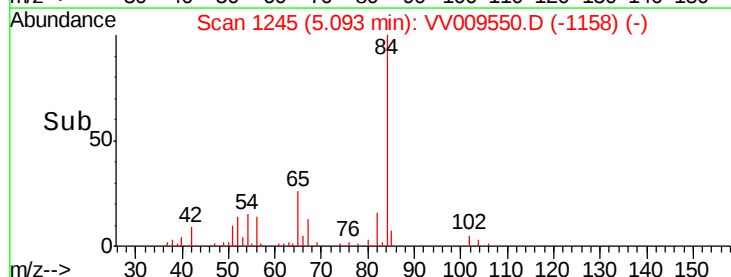
200

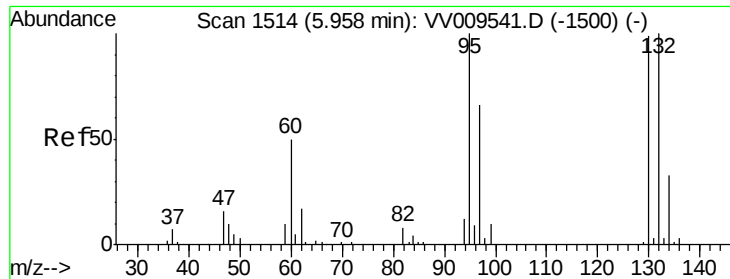
100

0

5.06 5.08 5.10 5.12 5.14

Time-->





#35

Trichloroethene

Concen: 2.406 ug/L

RT: 5.67 min Scan# 1423

Delta R.T. -0.29 min

Lab File: VV009550.D

Acq: 08 Mar 2019 20:17

Instrument :

MSVOA_V

ClientSampleId :

BF629

Tgt Ion: 95 Resp: 2241

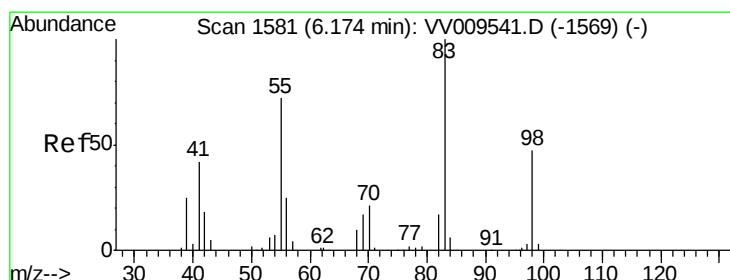
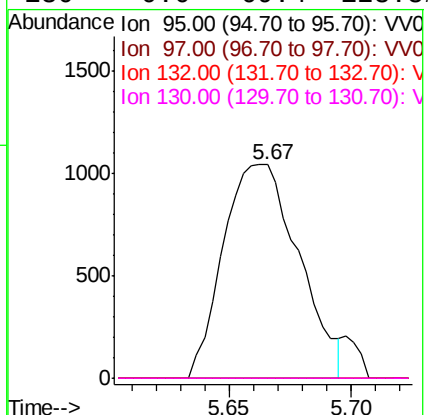
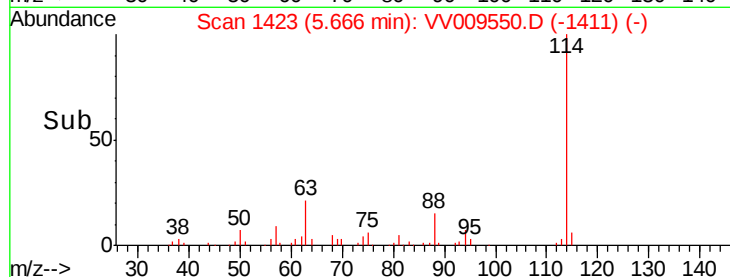
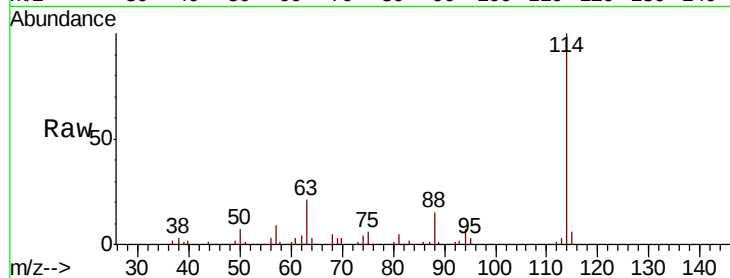
Ion Ratio Lower Upper

95 100

97 0.0 44.3 82.3#

132 0.0 64.4 119.6#

130 0.0 69.4 128.8#



#36

Methylcyclohexane

Concen: 4.815 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.06 min

Lab File: VV009550.D

Acq: 08 Mar 2019 20:17

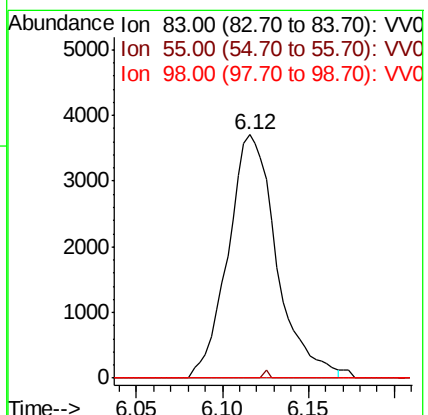
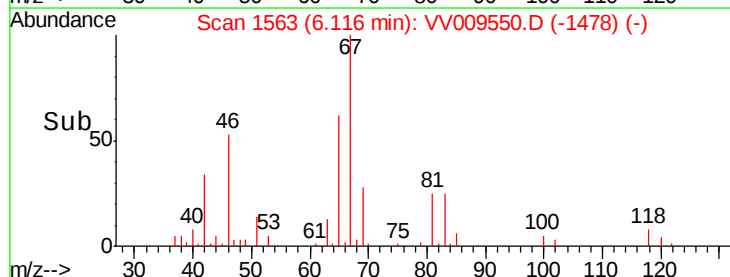
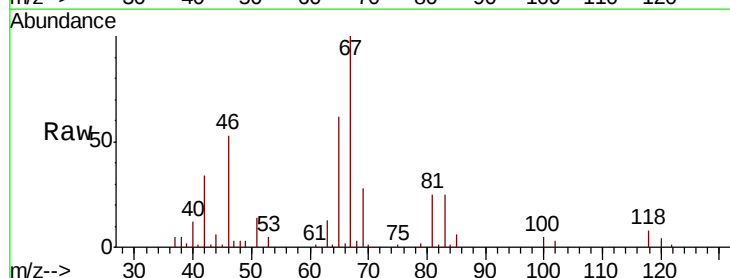
Tgt Ion: 83 Resp: 7306

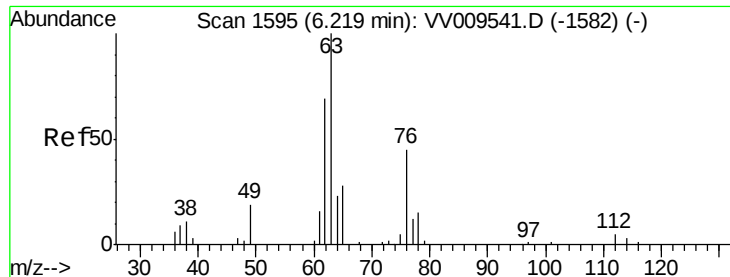
Ion Ratio Lower Upper

83 100

55 0.6 58.8 88.2#

98 0.0 37.7 56.5#





#40

1,2-Dichloropropane

Concen: 4.329 ug/L

RT: 6.12 min Scan# 1564

Delta R.T. -0.10 min

Lab File: VV009550.D

Acq: 08 Mar 2019 20:17

Instrument :

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ClientSampleId :

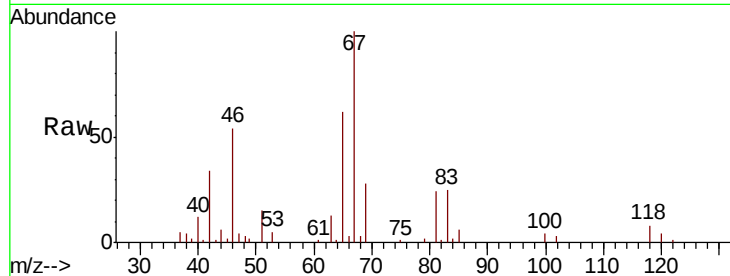
BF629

Tgt Ion: 63 Resp: 3618

Ion Ratio Lower Upper

63 100

112 0.0 3.0 4.4#



Abundance Ion 63.00 (62.70 to 63.70): VV009541.D (-1582) (-)

Ion 112.00 (111.70 to 112.70): VV009541.D (-1582) (-)

6.12

2000

1500

1000

500

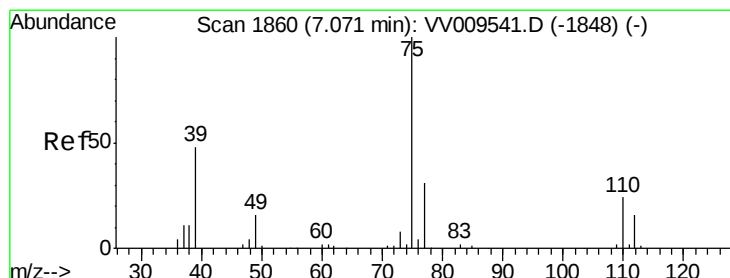
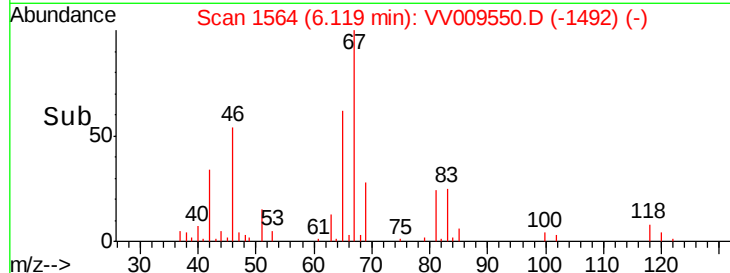
0

6.05

6.10

6.15

Time-->



#42

cis-1,3-Dichloropropene

Concen: 0.711 ug/L

RT: 7.03 min Scan# 1847

Delta R.T. -0.04 min

Lab File: VV009550.D

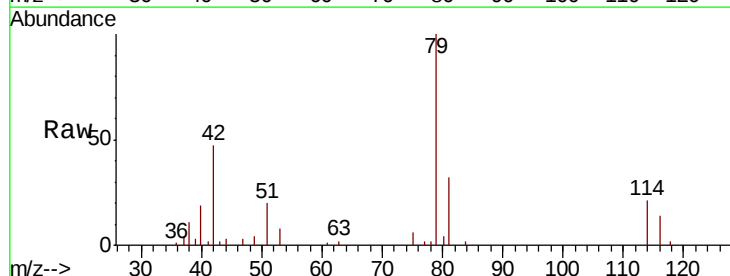
Acq: 08 Mar 2019 20:17

Tgt Ion: 75 Resp: 923

Ion Ratio Lower Upper

75 100

77 35.9 21.4 39.8



Abundance Ion 75.00 (74.70 to 75.70): VV009541.D (-1848) (-)

Ion 77.00 (76.70 to 77.70): VV009541.D (-1848) (-)

7.03

600

400

200

0

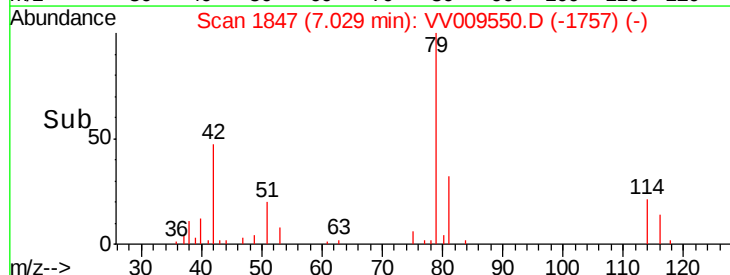
7.00

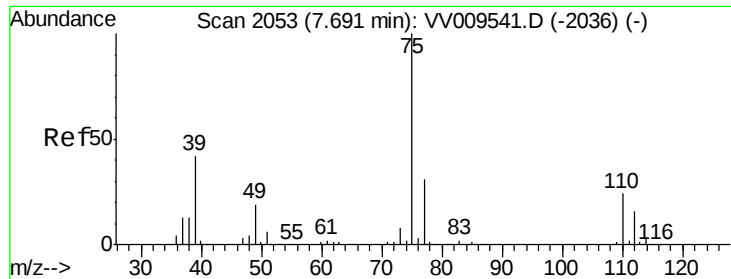
7.02

7.04

7.06

Time-->





#45

trans-1,3-Dichloropropene

Concen: 0.471 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.02 min

Lab File: VV009550.D

Acq: 08 Mar 2019 20:17

Instrument :

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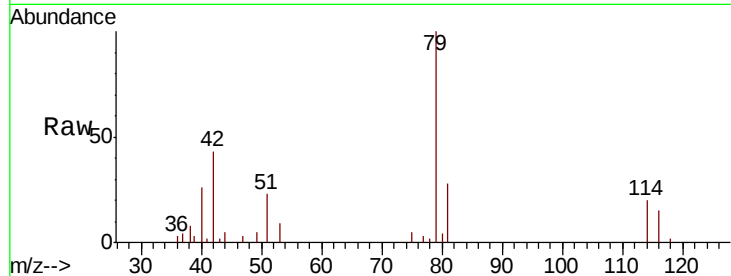
BF629

Tgt Ion: 75 Resp: 534

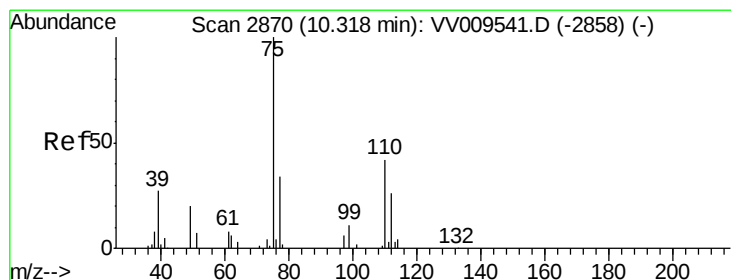
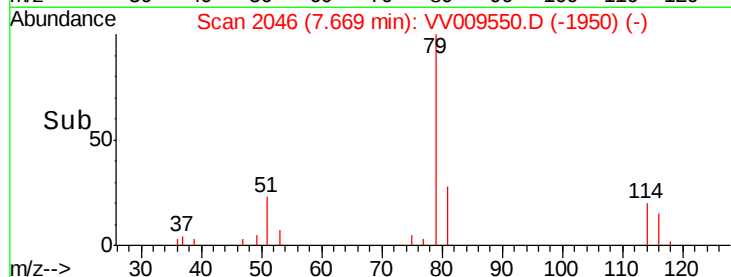
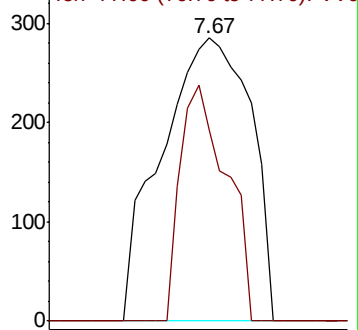
Ion Ratio Lower Upper

75 100

77 67.4 22.5 41.7#



Abundance Ion 75.00 (74.70 to 75.70): VV009541.D (-2036) (-)



#59

1,2,3-Trichloropropane

Concen: 4.990 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.97 min

Lab File: VV009550.D

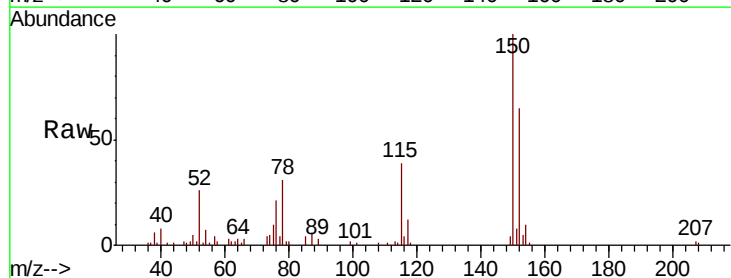
Acq: 08 Mar 2019 20:17

Tgt Ion: 75 Resp: 3527

Ion Ratio Lower Upper

75 100

77 34.8 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VV009541.D (-2858) (-)

