

Data File : VV010567.D
Acq On : 30 Apr 2019 00:00
Operator : SY/MD
Sample : K2590-08
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
C0X99

Quant Time: Apr 30 06:51:25 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Apr 30 06:45:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	216657	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	220516	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	98789	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	49347	4.68	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.60%
7) Chloroethane-d5	1.57	69	32473	5.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	115.20%
11) 1,1-Dichloroethene-d2	2.13	63	67658	3.41	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.20%
20) 2-Butanone-d5	3.93	46	123161	45.31	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.62%
24) Chloroform-d	4.40	84	125346	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.80%
26) 1,2-Dichloroethane-d4	5.08	65	67255	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.20%
32) Benzene-d6	5.10	84	265990	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
36) 1,2-Dichloropropane-d6	6.12	67	77279	4.98	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.60%
41) Toluene-d8	7.36	98	251894	4.84	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.80%
43) trans-1,3-Dichloropropene-	7.66	79	26991	4.55	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.00%
46) 2-Hexanone-d5	8.13	63	115831	46.27	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.54%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	57571	4.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	108719	5.71	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	114.20%

Target Compounds

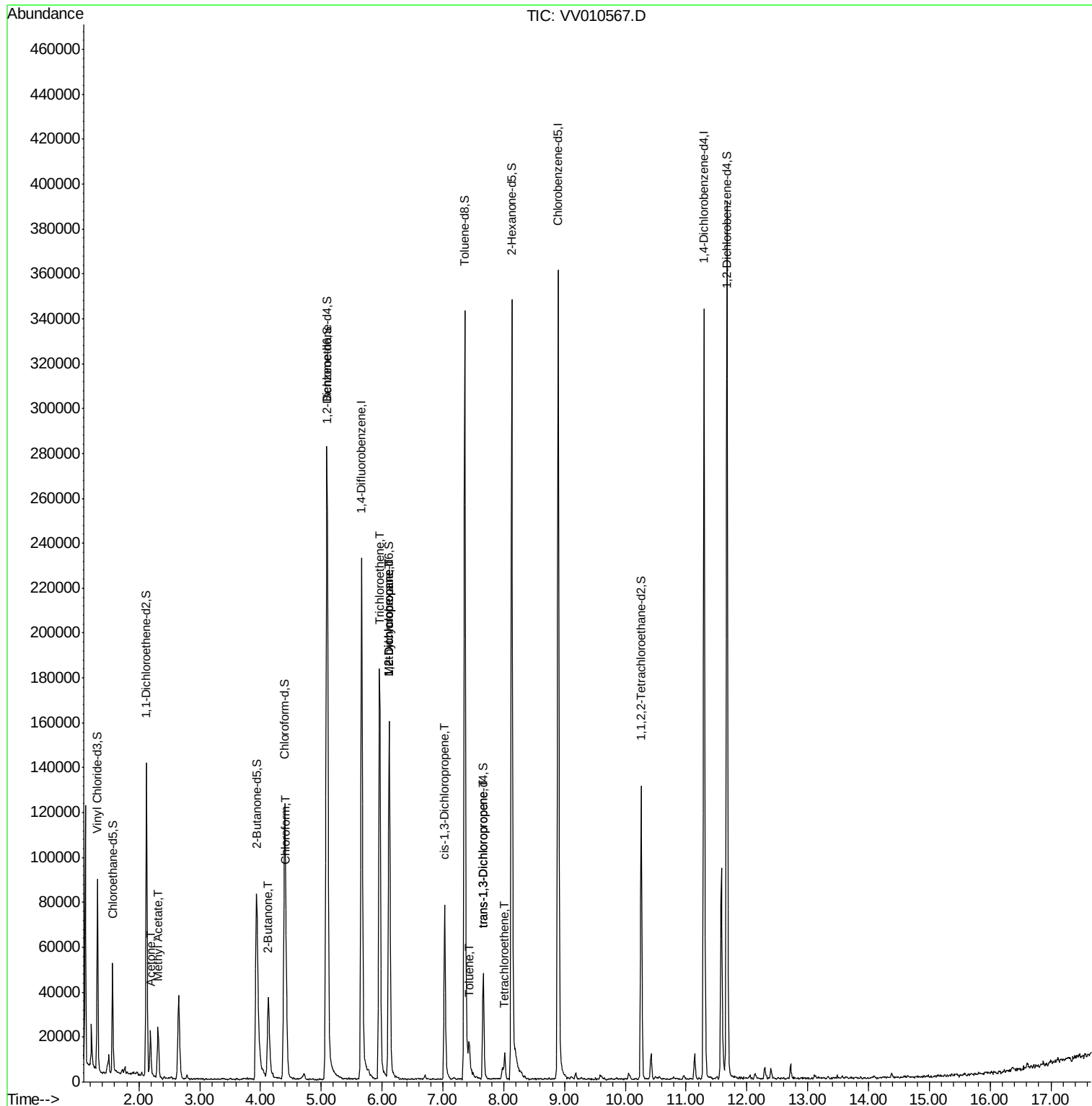
						Qvalue
13) Acetone	2.19	43	17685	13.061	ug/L	97
15) Methyl Acetate	2.32	43	6304	1.403	ug/L #	44
21) 2-Butanone	4.13	43	51437	18.380	ug/L #	46
25) Chloroform	4.43	83	14623	0.523	ug/L	83
34) Trichloroethene	5.96	95	62692	3.775	ug/L	98
35) Methylcyclohexane	6.12	83	20140	0.935	ug/L #	20
37) 1,2-Dichloropropane	6.12	63	8743	0.665	ug/L #	89
39) cis-1,3-Dichloropropene	7.03	75	2325	0.122	ug/L	98
42) Toluene	7.43	91	8754	0.140	ug/L	90
44) trans-1,3-Dichloropropene	7.67	75	1433	0.096	ug/L	91
47) Tetrachloroethene	8.02	164	2970	0.191	ug/L	79

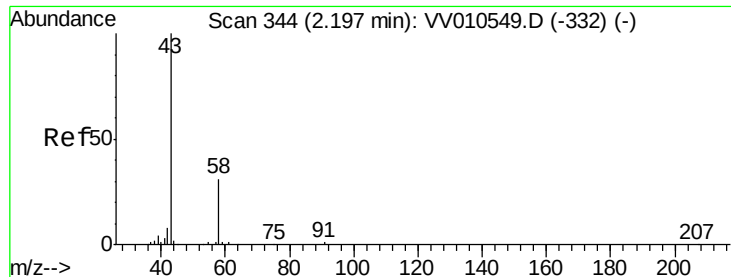
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 13.061 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.01 min

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Acq: 30 Apr 2019 00:00

Instrument :

MSVOA_V

ClientSampleId :

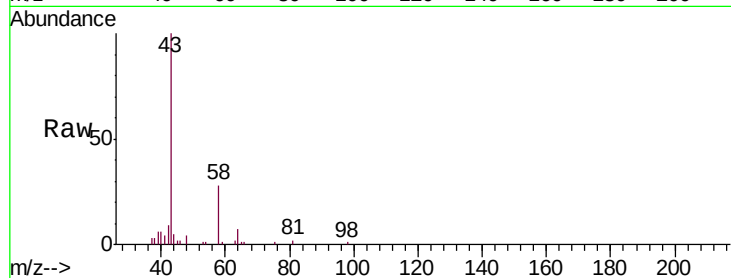
C0X99

Tgt Ion: 43 Resp: 17685

Ion Ratio Lower Upper

43 100

58 26.9 0.0 57.4



Abundance Ion 43.05 (42.75 to 43.75): VV010549.D (-332) (-)

Ion 58.05 (57.75 to 58.75): VV010549.D (-332) (-)

2.19

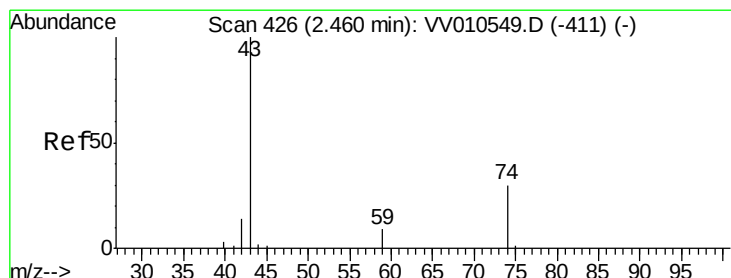
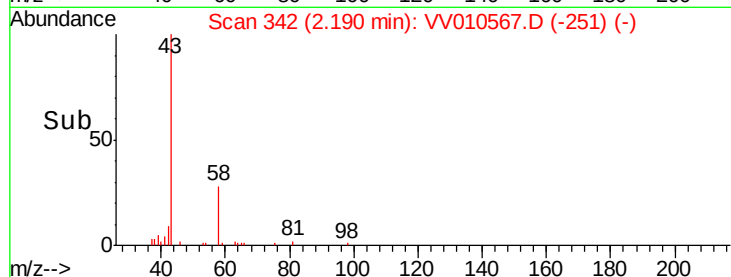
10000

5000

0

Time-->

2.15 2.20 2.25



#15

Methyl Acetate

Concen: 1.403 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.14 min

Lab File: VV010567.D

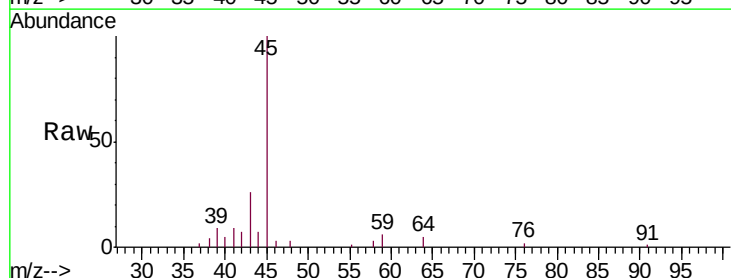
Acq: 30 Apr 2019 00:00

Tgt Ion: 43 Resp: 6304

Ion Ratio Lower Upper

43 100

74 0.0 24.2 36.2#



Abundance Ion 43.05 (42.75 to 43.75): VV010549.D (-411) (-)

Ion 74.05 (73.75 to 74.75): VV010549.D (-411) (-)

2.32

3000

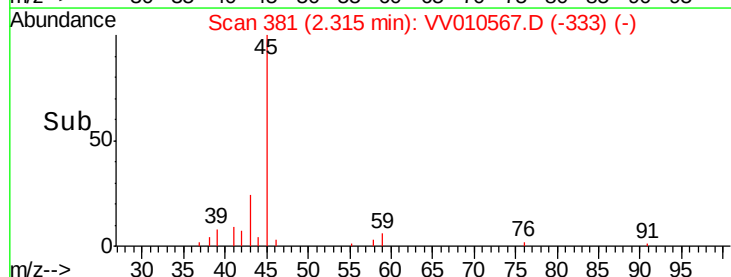
2000

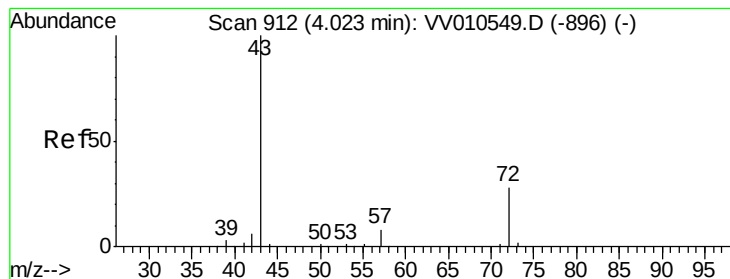
1000

0

Time-->

2.25 2.30 2.35





#21

2-Butanone

Concen: 18.380 ug/L

RT: 4.13 min Scan# 945

Delta R.T. 0.11 min

Lab File: VV010567.D

Acq: 30 Apr 2019 00:00

Instrument :

MSVOA_V

ClientSampleId :

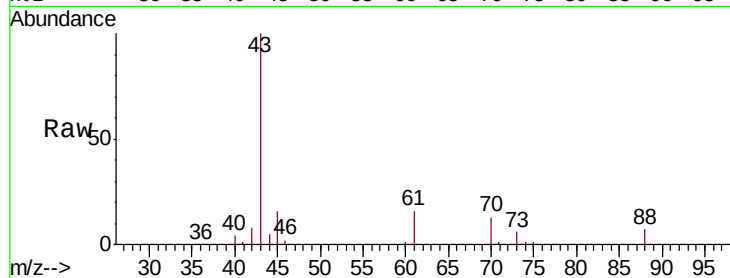
C0X99

Tgt Ion: 43 Resp: 51437

Ion Ratio Lower Upper

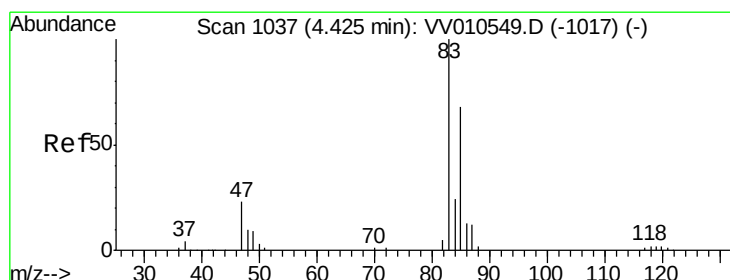
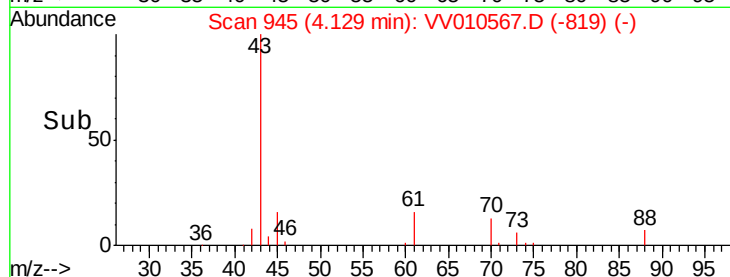
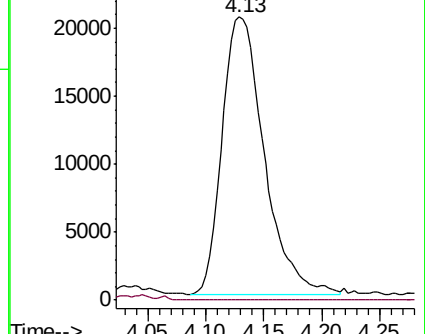
43 100

72 0.3 14.6 43.8#



Abundance Ion 43.05 (42.75 to 43.75): VV010549.D (-896) (-)

Ion 72.10 (71.80 to 72.80): VV010549.D (-896) (-)



#25

Chloroform

Concen: 0.523 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. 0.00 min

Lab File: VV010567.D

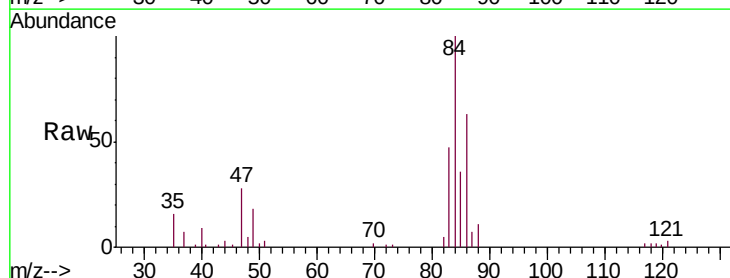
Acq: 30 Apr 2019 00:00

Tgt Ion: 83 Resp: 14623

Ion Ratio Lower Upper

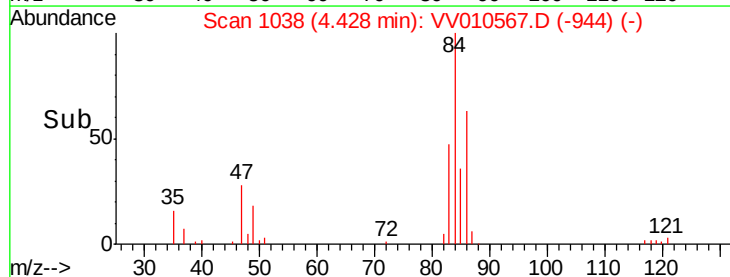
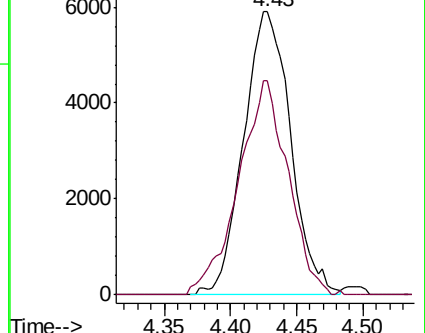
83 100

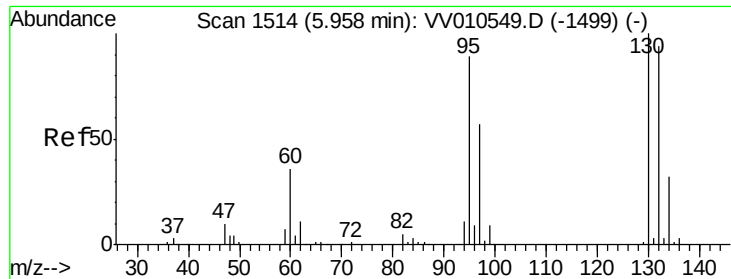
85 75.6 43.6 81.0



Abundance Ion 83.05 (82.75 to 83.75): VV010549.D (-1017) (-)

Ion 85.00 (84.70 to 85.70): VV010549.D (-1017) (-)





#34

Trichloroethene

Concen: 3.775 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VV010567.D

Acq: 30 Apr 2019 00:00

Instrument :

MSVOA_V

ClientSampleId :

C0X99

Tgt Ion: 95 Resp: 62692

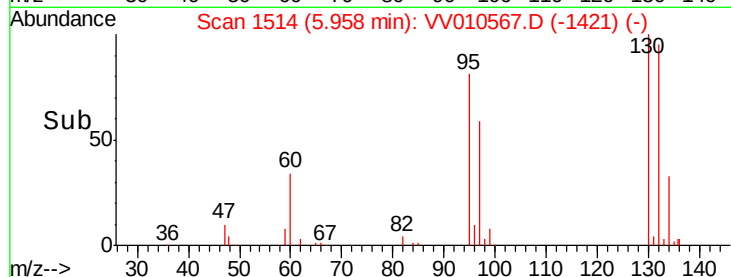
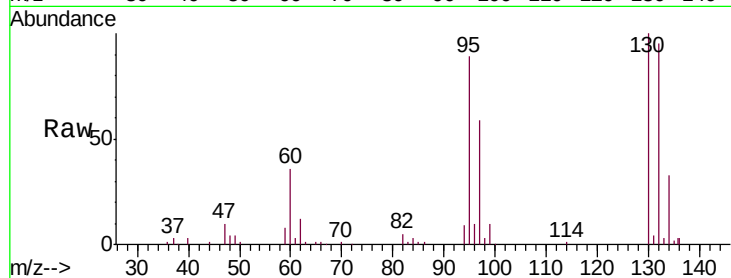
Ion Ratio Lower Upper

95 100

97 66.6 43.3 80.5

132 106.8 74.1 137.5

130 112.5 79.5 147.6

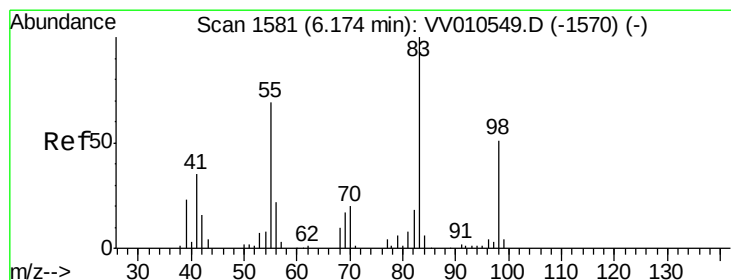
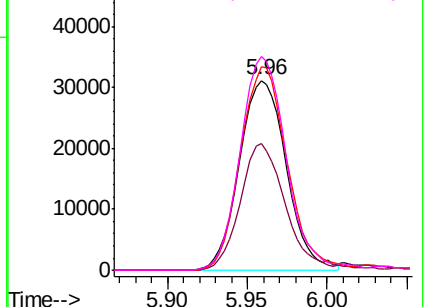


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 0.935 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.06 min

Lab File: VV010567.D

Acq: 30 Apr 2019 00:00

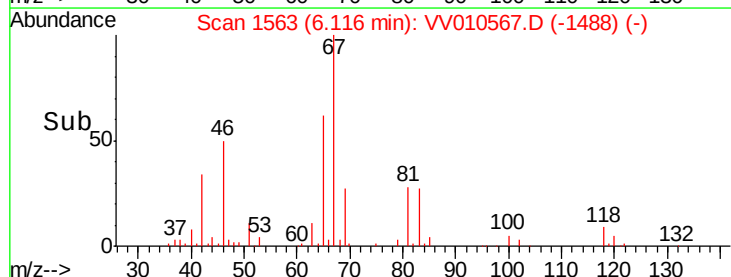
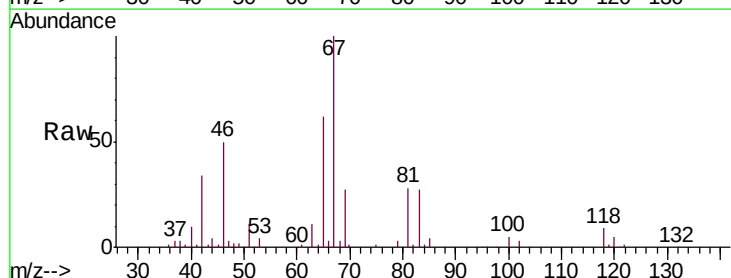
Tgt Ion: 83 Resp: 20140

Ion Ratio Lower Upper

83 100

55 0.2 58.0 87.0#

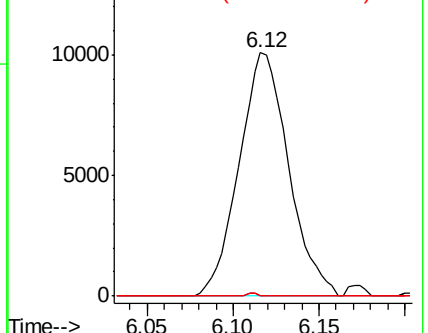
98 1.0 40.4 60.6#

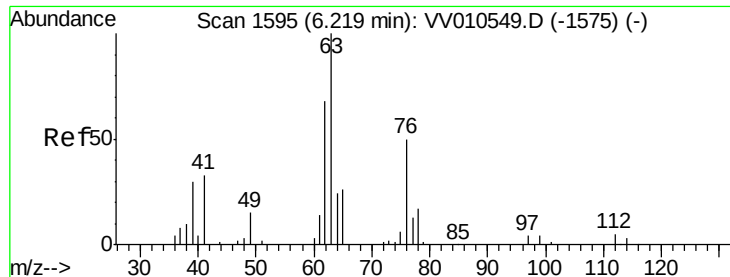


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

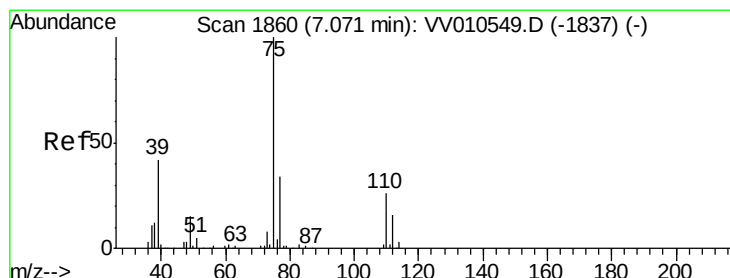
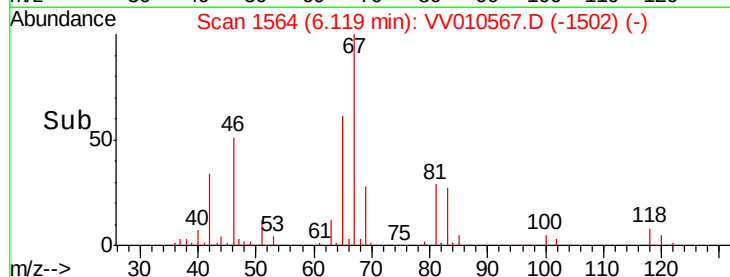
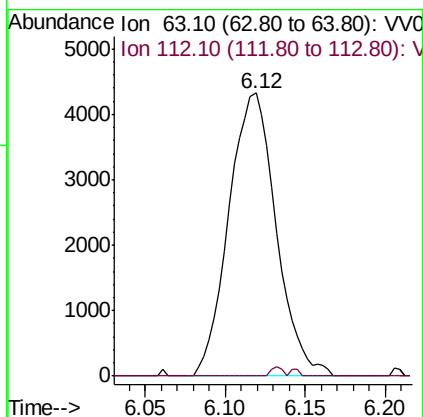
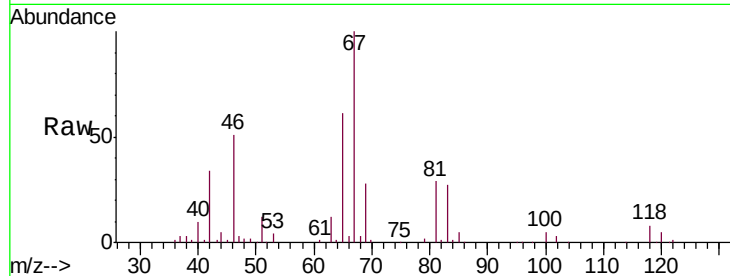




#37
 1,2-Dichloropropane
 Concen: 0.665 ug/L
 RT: 6.12 min Scan# 1564
 Delta R.T. -0.10 min
 Lab File: VV010567.D
 Acq: 30 Apr 2019 00:00

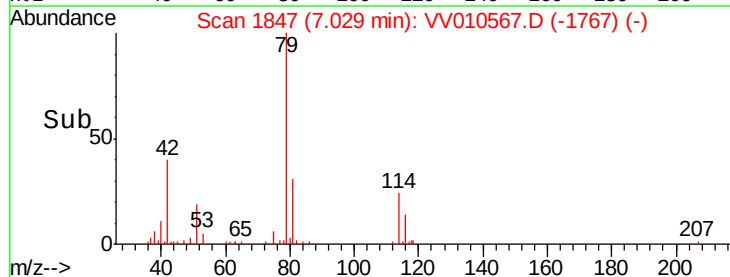
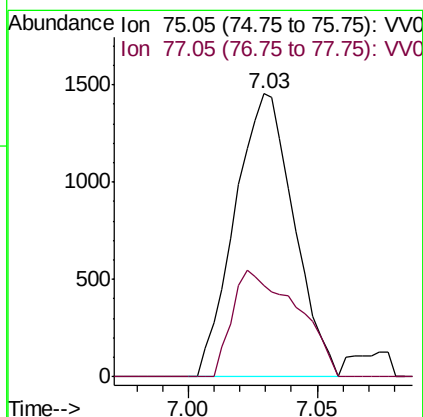
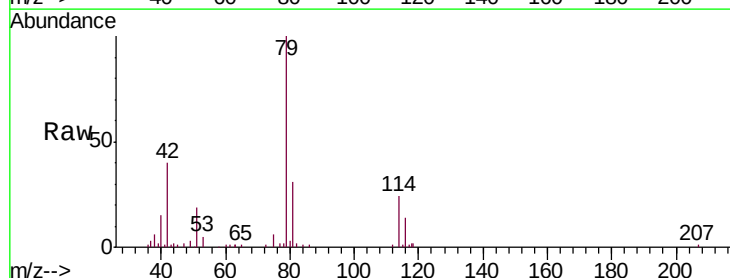
Instrument :
 MSVOA_V
 ClientSampleId :
 C0X99

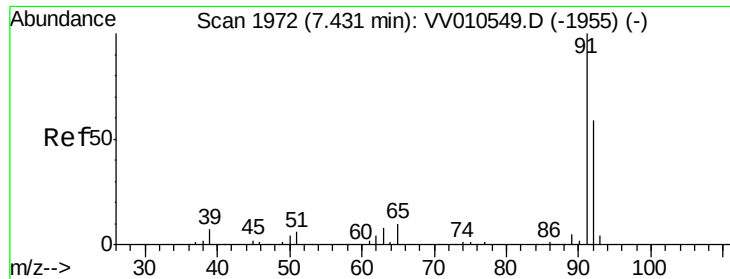
Tgt Ion: 63 Resp: 8743
 Ion Ratio Lower Upper
 63 100
 112 0.8 3.7 5.5#



#39
 cis-1,3-Dichloropropene
 Concen: 0.122 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.04 min
 Lab File: VV010567.D
 Acq: 30 Apr 2019 00:00

Tgt Ion: 75 Resp: 2325
 Ion Ratio Lower Upper
 75 100
 77 32.1 21.6 40.0





#42

Toluene

Concen: 0.140 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV010567.D

Acq: 30 Apr 2019 00:00

Instrument :

MSVOA_V

ClientSampled :

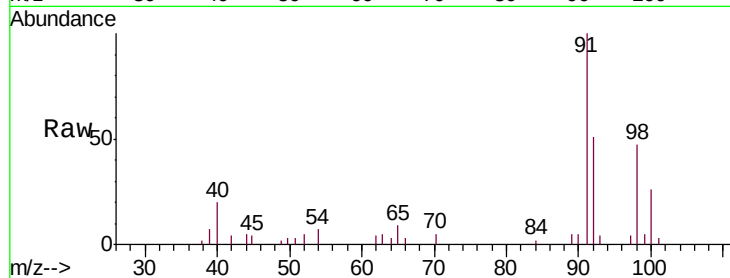
C0X99

Tgt Ion: 91 Resp: 8754

Ion Ratio Lower Upper

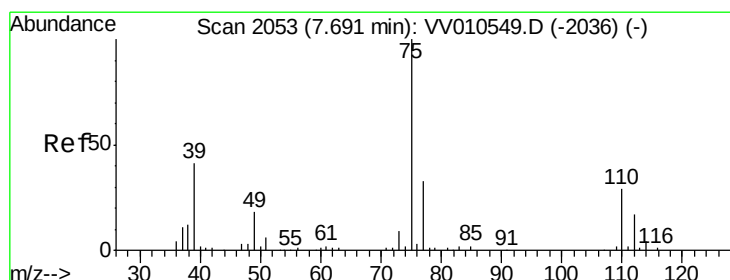
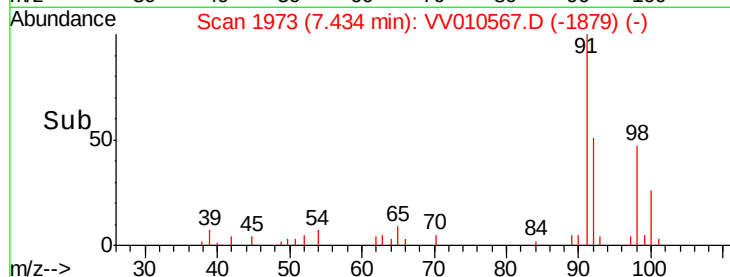
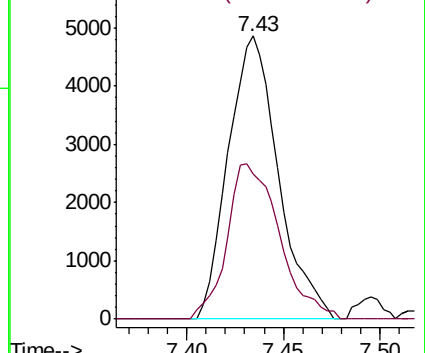
91 100

92 51.2 41.1 76.3



Abundance Ion 91.15 (90.85 to 91.85): VV010549.D (-1955) (-)

Ion 92.15 (91.85 to 92.85): VV010549.D (-1955) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.096 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV010567.D

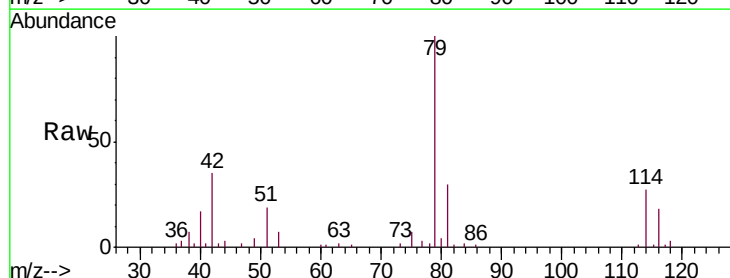
Acq: 30 Apr 2019 00:00

Tgt Ion: 75 Resp: 1433

Ion Ratio Lower Upper

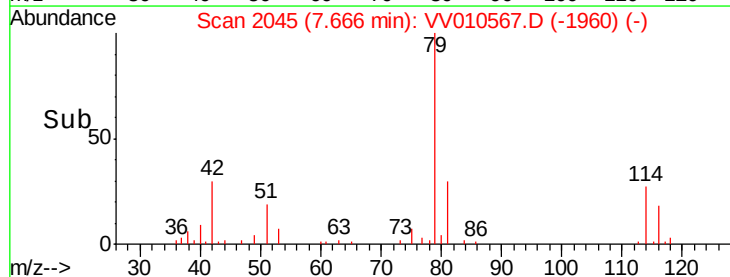
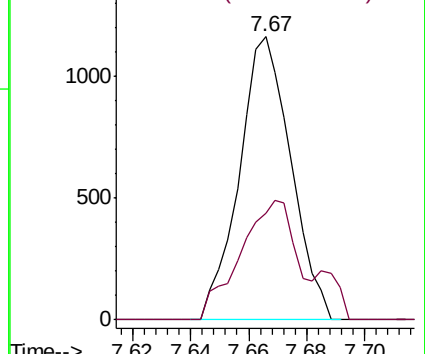
75 100

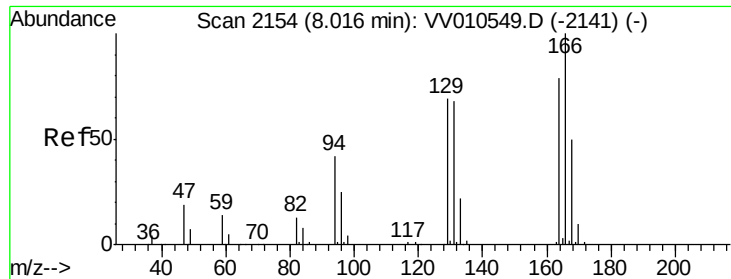
77 37.8 23.0 42.6



Abundance Ion 75.05 (74.75 to 75.75): VV010549.D (-2036) (-)

Ion 77.05 (76.75 to 77.75): VV010549.D (-2036) (-)





#47
Tetrachloroethene
Concen: 0.191 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.00 min
Lab File: VV010567.D
Acq: 30 Apr 2019 00:00

Instrument :
MSVOA_V
ClientSampleId :
C0X99

Tgt Ion:	164	Resp:	2970
Ion	Ratio	Lower	Upper
164	100		
129	67.5	62.2	115.4
131	107.0	61.5	114.1
166	104.3	89.1	165.5

