

Data File : VV009375.D
Acq On : 26 Feb 2019 19:03
Operator : SY/MD
Sample : K1579-12
Misc : 6.96G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DB609RE

Quant Time: Feb 27 04:48:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM022619S.M
Quant Title : VOC Analysis
QLast Update : Wed Feb 27 04:43:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	15543	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	11593	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.31	152	2517	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	5315	27.18	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	108.72%
7) Chloroethane-d5	1.58	69	4732	18.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.44%
10) 1,1-Dichloroethene-d2	1.97	63	134	0.26	ug/L	-0.15
Spiked Amount	25.000	Range	45 - 110	Recovery	=	1.04%#
20) 2-Butanone-d5	3.95	46	1035	17.57	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	35.14%
24) Chloroform-d	4.40	84	10170	26.98	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	107.92%
26) 1,2-Dichloroethane-d4	5.08	65	6475	31.05	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	124.20%
29) Benzene-d6	5.11	84	20474	33.22	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	132.88%
33) 1,2-Dichloropropane-d6	6.12	67	6890	38.15	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	152.60%#
37) Toluene-d8	7.36	98	18908	31.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	127.92%
38) trans-1,3-Dichloropropene-	7.67	79	2568	28.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	113.80%
39) 2-Hexanone-d5	8.14	63	509	13.32	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	26.64%
48) 1,1,2,2-Tetrachloroethane-	10.27	84	5343	30.29	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	121.16%#
61) 1,2-Dichlorobenzene-d4	11.68	152	2417	25.92	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.68%

Target Compounds

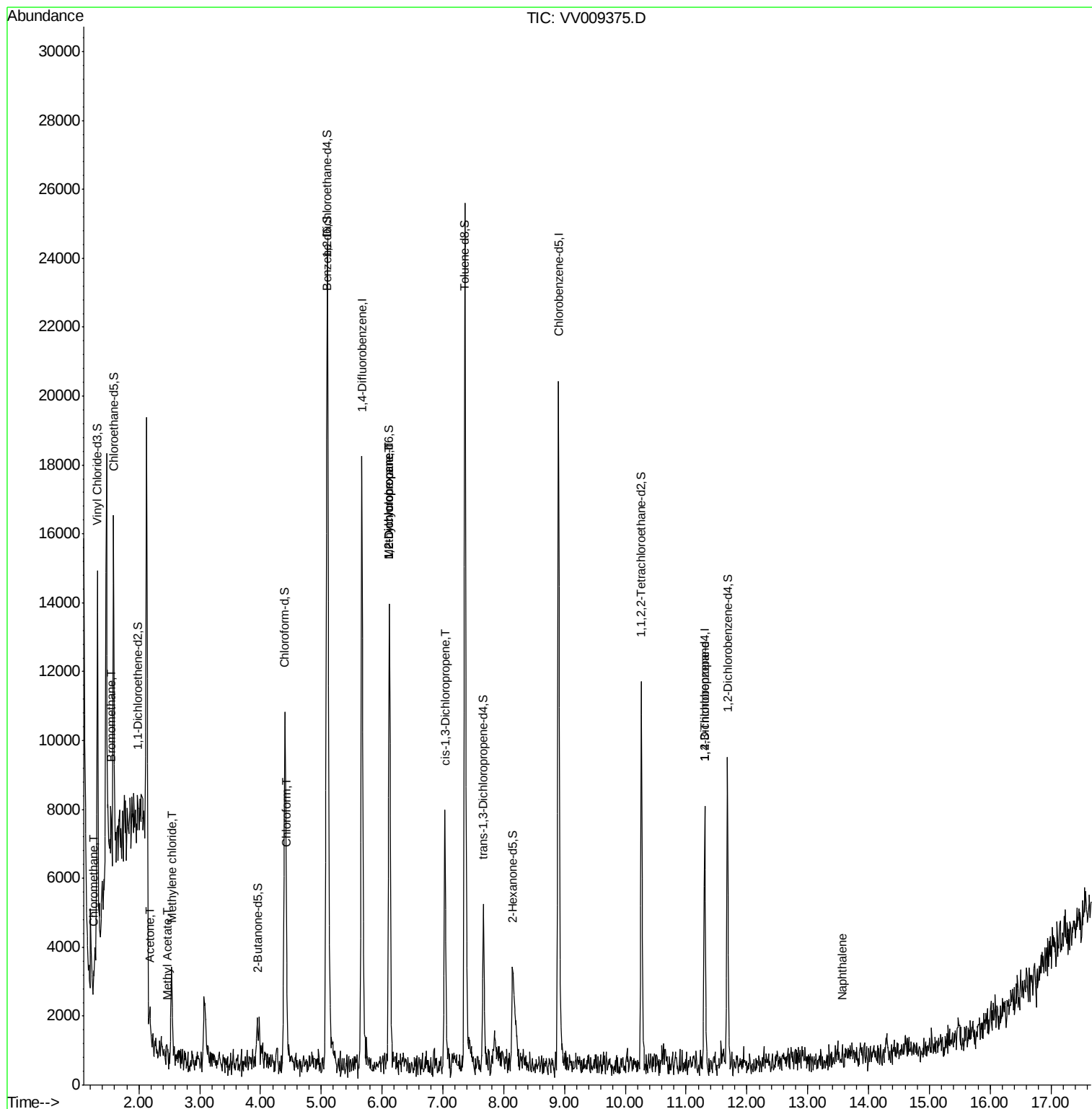
					Qvalue
3) Chloromethane	1.25	50	195	0.934 ug/L #	42
6) Bromomethane	1.54	94	210	0.842 ug/L	90
13) Acetone	2.18	43	154	2.286 ug/L	51
15) Methyl Acetate	2.47	43	57	0.640 ug/L #	48
16) Methylene chloride	2.53	84	1250	5.938 ug/L	88
25) Chloroform	4.43	83	164	0.437 ug/L #	48
36) Methylcyclohexane	6.13	83	1422	4.552 ug/L #	22
40) 1,2-Dichloropropane	6.13	63	487	3.033 ug/L #	89
42) cis-1,3-Dichloropropene	7.04	75	172	0.674 ug/L #	50
59) 1,2,3-Trichloropropane	11.30	75	316	2.460 ug/L	96
69) Naphthalene	13.57	128	67	0.374 ug/L #	69

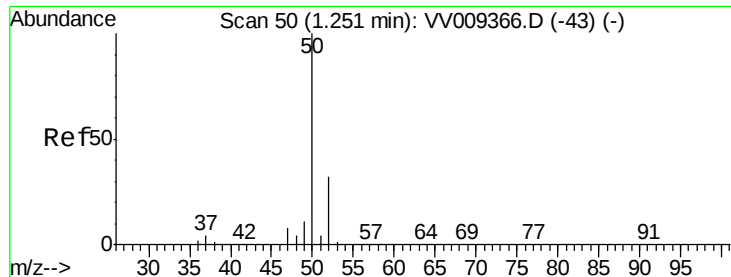
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.934 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

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ClientSampleId :

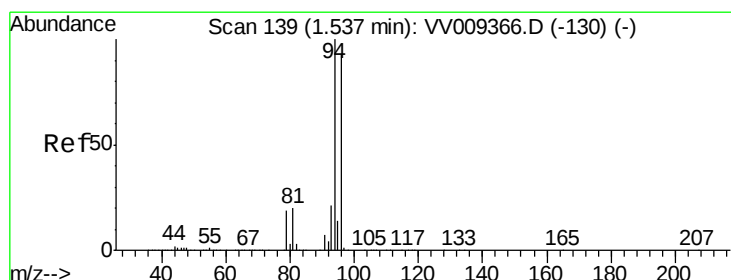
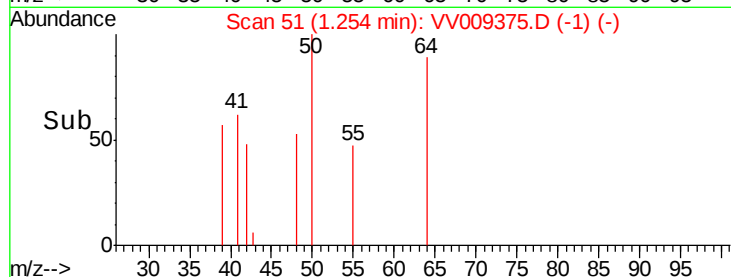
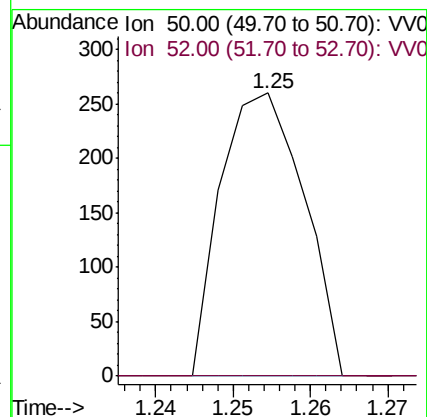
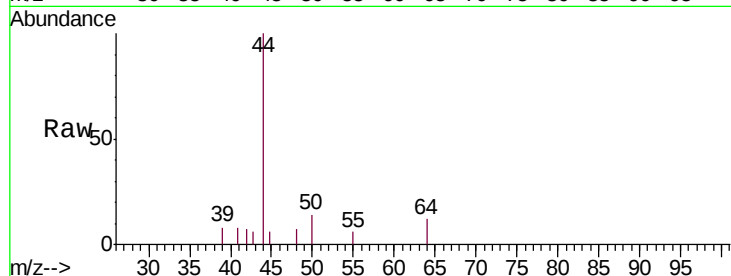
DB609RE

Tgt Ion: 50 Resp: 195

Ion Ratio Lower Upper

50 100

52 0.0 23.1 42.9#



#6

Bromomethane

Concen: 0.842 ug/L

RT: 1.54 min Scan# 140

Delta R.T. 0.00 min

Lab File: VV009375.D

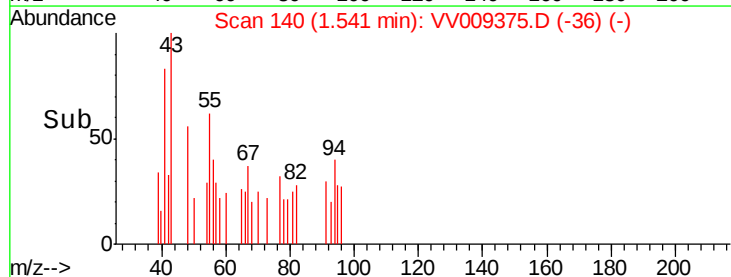
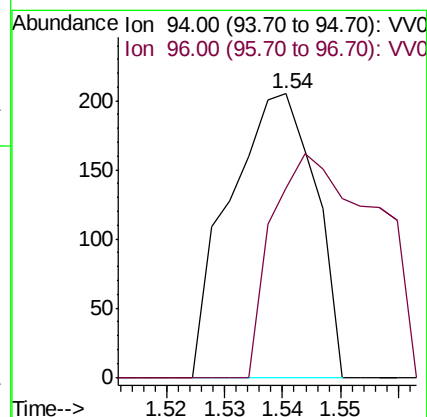
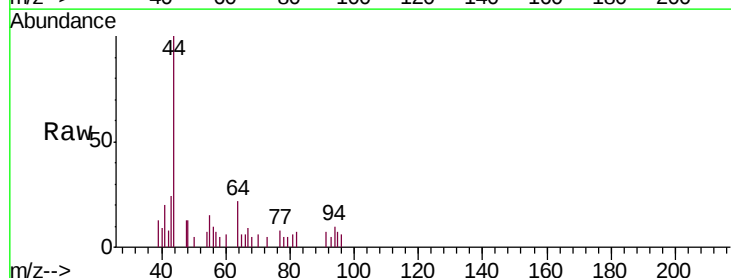
Acq: 26 Feb 2019 19:03

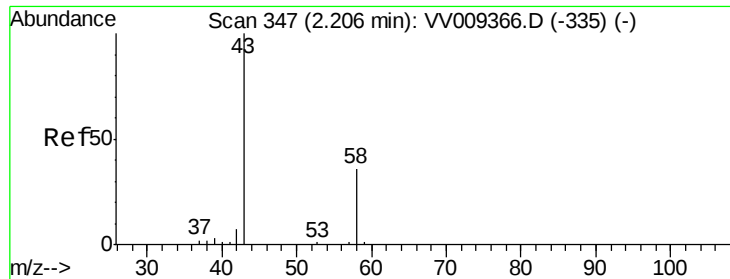
Tgt Ion: 94 Resp: 210

Ion Ratio Lower Upper

94 100

96 86.2 9.5 181.4





#13

Acetone

Concen: 2.286 ug/L

RT: 2.18 min Scan# 338

Delta R.T. -0.03 min

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Instrument :

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ClientSampleId :

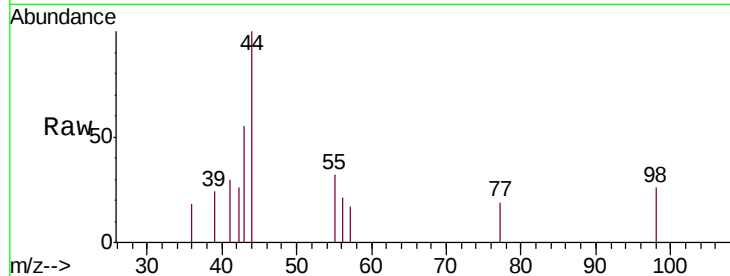
DB609RE

Tgt Ion: 43 Resp: 154

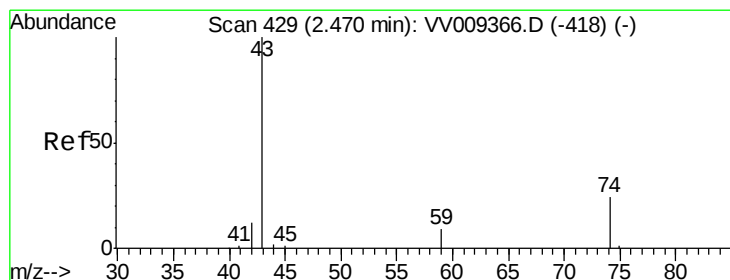
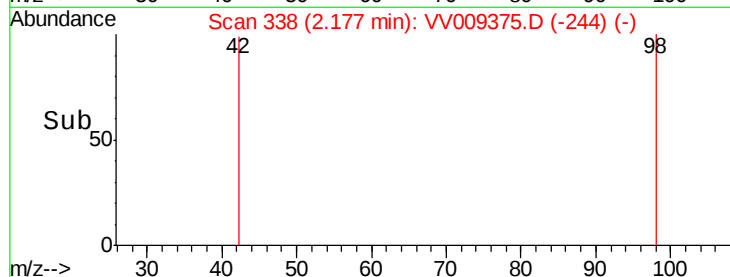
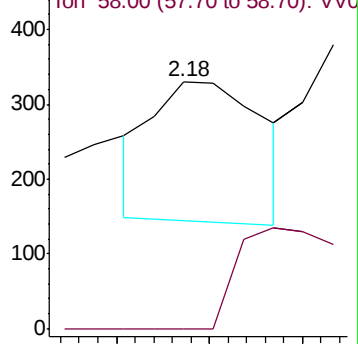
Ion Ratio Lower Upper

43 100

58 62.3 0.0 68.8



Abundance Ion 43.00 (42.70 to 43.70): VV0



#15

Methyl Acetate

Concen: 0.640 ug/L

RT: 2.47 min Scan# 428

Delta R.T. -0.00 min

Lab File: VV009375.D

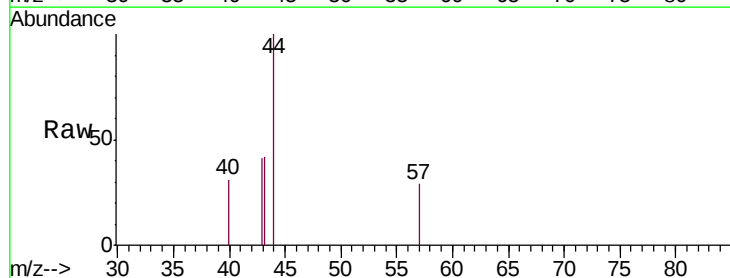
Acq: 26 Feb 2019 19:03

Tgt Ion: 43 Resp: 57

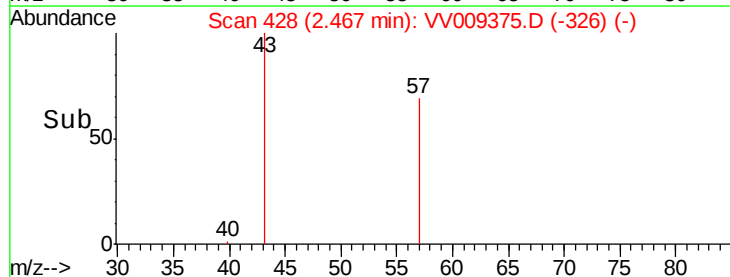
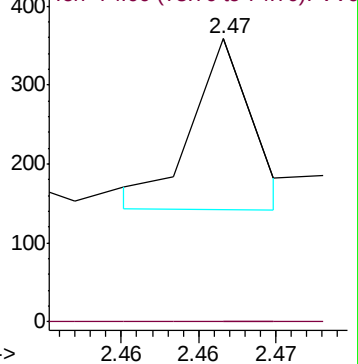
Ion Ratio Lower Upper

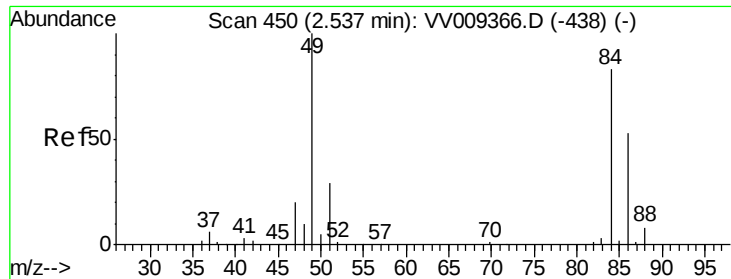
43 100

74 0.0 21.8 32.8#



Abundance Ion 43.00 (42.70 to 43.70): VV0

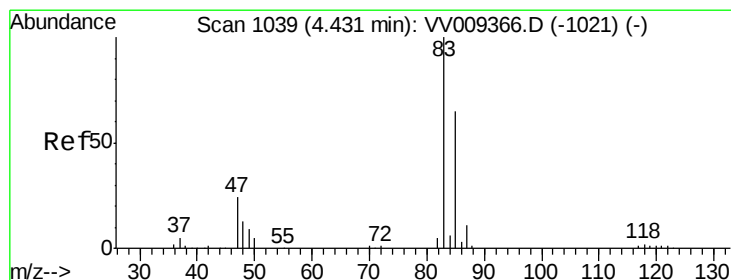
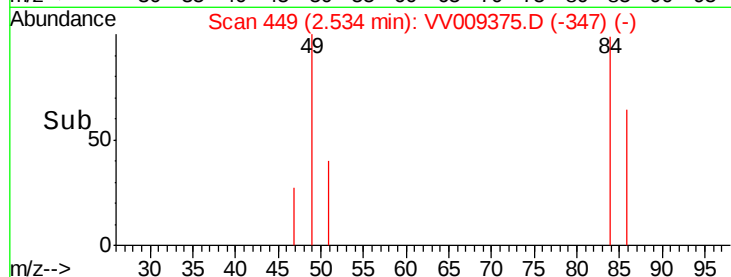
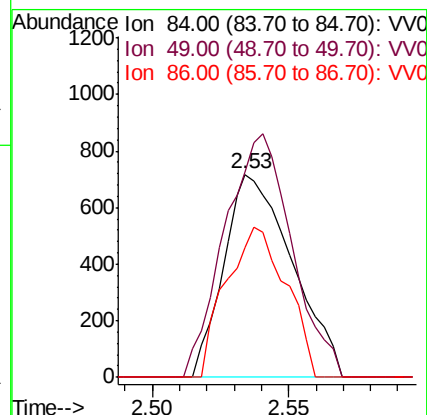
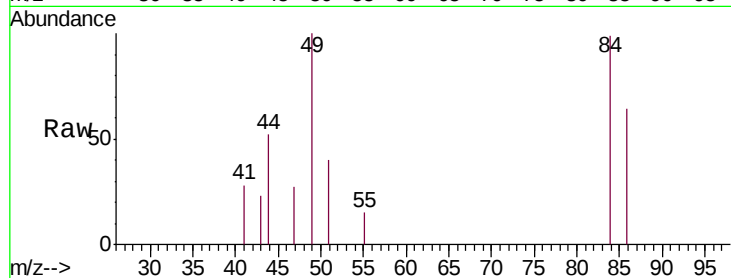




#16
Methylene chloride
Concen: 5.938 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV009375.D
Acq: 26 Feb 2019 19:03

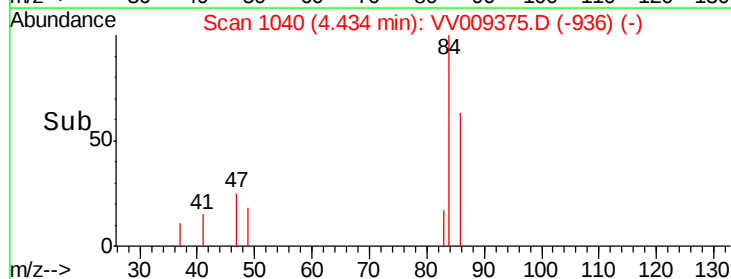
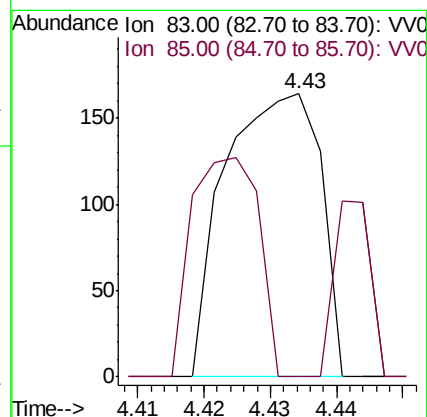
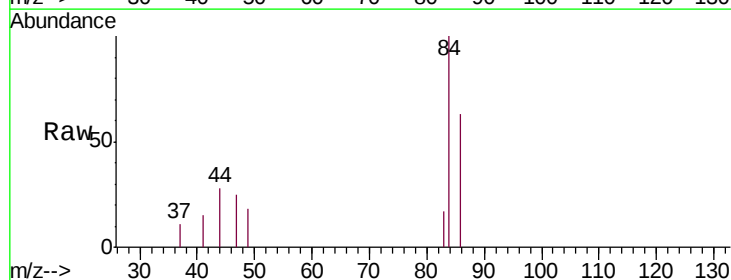
Instrument :
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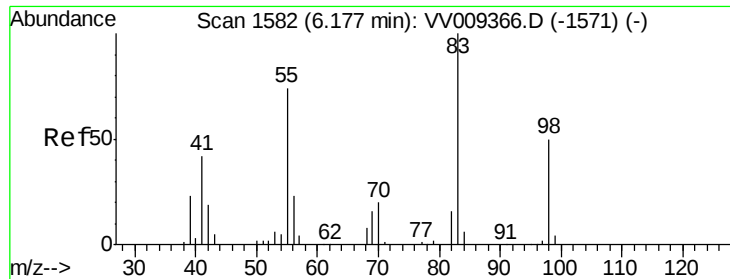
Tgt Ion: 84 Resp: 1250
Ion Ratio Lower Upper
84 100
49 101.0 84.6 157.0
86 64.2 46.1 85.7



#25
Chloroform
Concen: 0.437 ug/L
RT: 4.43 min Scan# 1040
Delta R.T. 0.00 min
Lab File: VV009375.D
Acq: 26 Feb 2019 19:03

Tgt Ion: 83 Resp: 164
Ion Ratio Lower Upper
83 100
85 23.8 45.4 84.2#

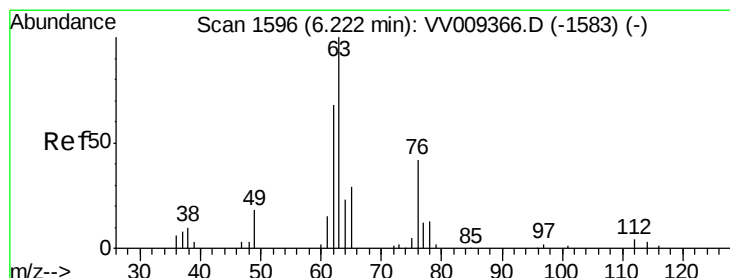
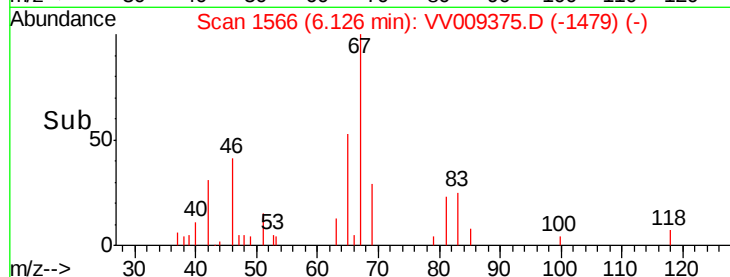
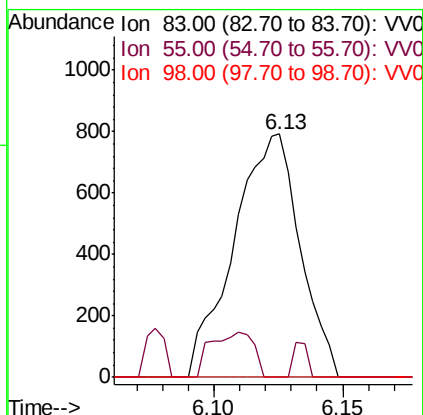
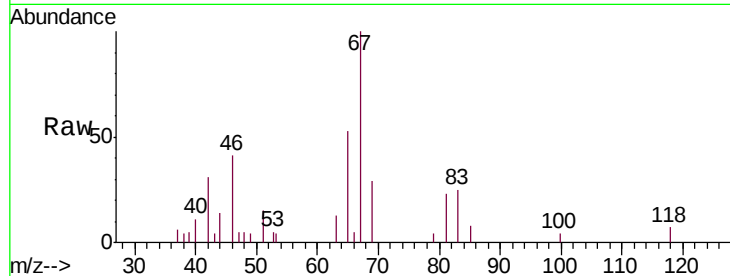




#36
Methylcyclohexane
Concen: 4.552 ug/L
RT: 6.13 min Scan# 1566
Delta R.T. -0.05 min
Lab File: VV009375.D
Acq: 26 Feb 2019 19:03

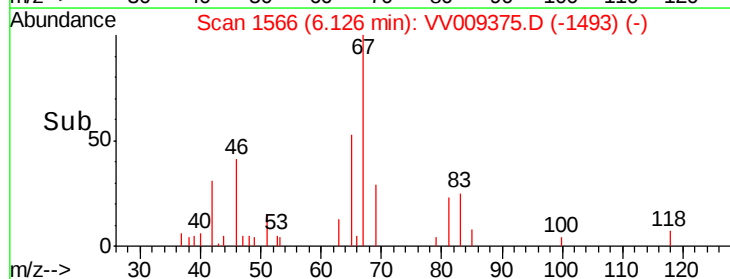
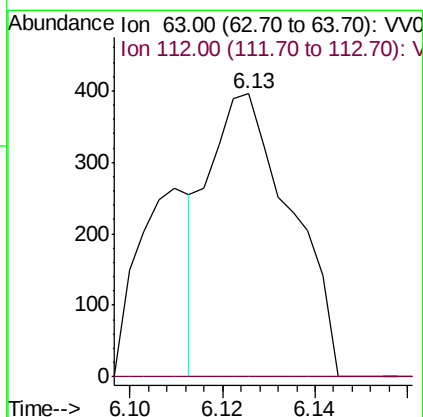
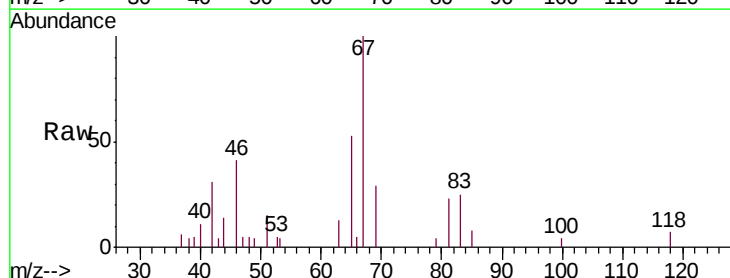
Instrument :
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ClientSampleId :
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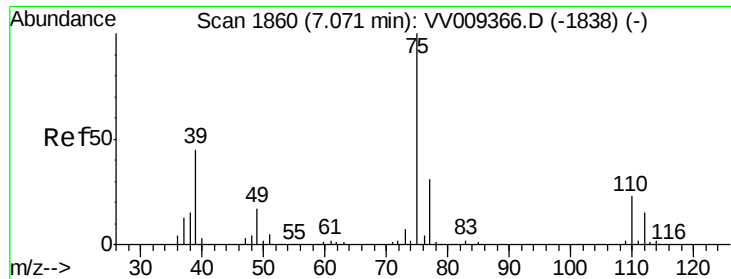
Tgt Ion: 83 Resp: 1422
Ion Ratio Lower Upper
83 100
55 3.0 58.8 88.2#
98 0.0 37.7 56.5#



#40
1,2-Dichloropropane
Concen: 3.033 ug/L
RT: 6.13 min Scan# 1566
Delta R.T. -0.10 min
Lab File: VV009375.D
Acq: 26 Feb 2019 19:03

Tgt Ion: 63 Resp: 487
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.4#

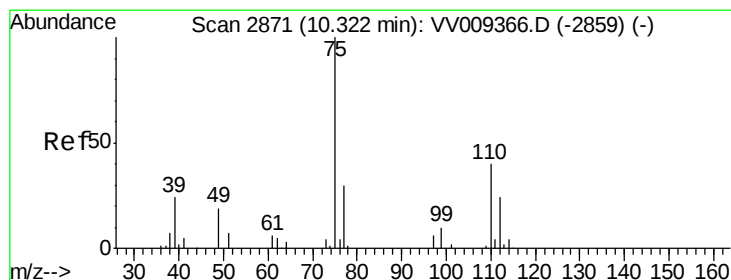
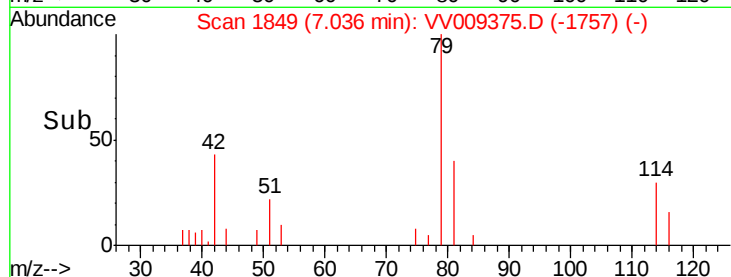
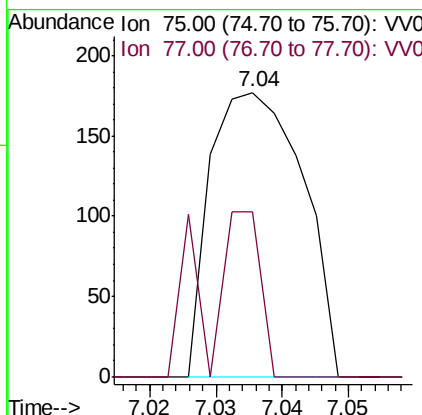
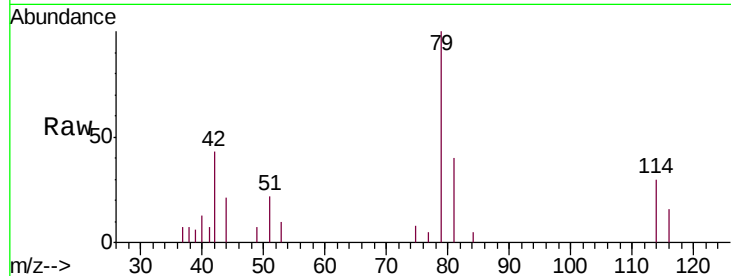




#42
 cis-1,3-Dichloropropene
 Concen: 0.674 ug/L
 RT: 7.04 min Scan# 1849
 Delta R.T. -0.04 min
 Lab File: VV009375.D
 Acq: 26 Feb 2019 19:03

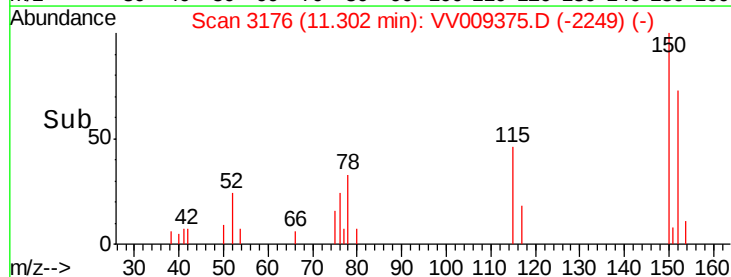
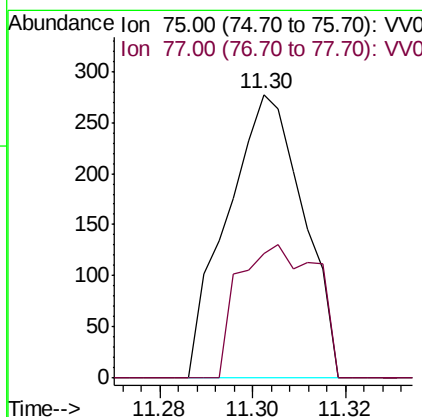
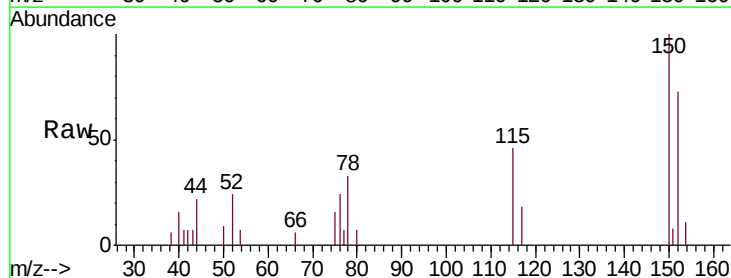
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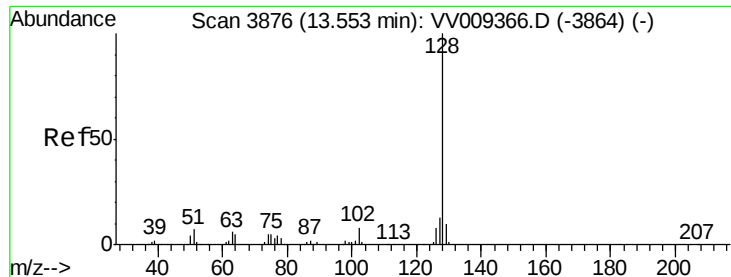
Tgt Ion: 75 Resp: 172
 Ion Ratio Lower Upper
 75 100
 77 58.2 21.4 39.8#



#59
 1,2,3-Trichloropropane
 Concen: 2.460 ug/L
 RT: 11.30 min Scan# 3176
 Delta R.T. 0.98 min
 Lab File: VV009375.D
 Acq: 26 Feb 2019 19:03

Tgt Ion: 75 Resp: 316
 Ion Ratio Lower Upper
 75 100
 77 34.5 25.9 38.9





#69

Naphthalene

Concen: 0.374 ug/L

RT: 13.57 min Scan# 3882

Delta R.T. 0.02 min

Lab File: VV009375.D

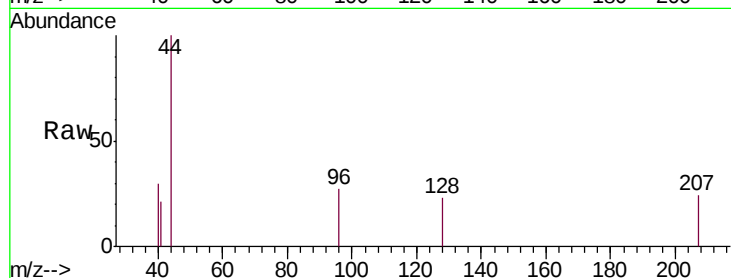
Acq: 26 Feb 2019 19:03

Instrument :

MSVOA_V

ClientSampleId :

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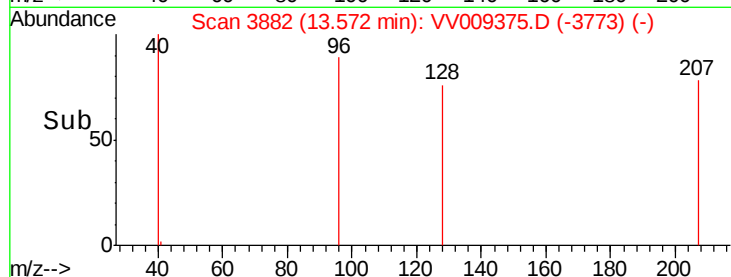
Tgt Ion:128 Resp: 67

Ion Ratio Lower Upper

128 100

129 0.0 8.8 13.2#

127 0.0 10.6 16.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

