

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV041819\
 Data File : VV010366.D
 Acq On : 18 Apr 2019 23:06
 Operator : SY/MD
 Sample : K2402-13
 Misc : 5.03G/10mL/MSVOA_V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GAHJ3

Quant Time: Apr 19 06:14:10 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	5.68	114	2007	25.00	ug/L	0.01
28) Chlorobenzene-d5	8.90	117	3140	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	1106	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	44	1.73	ug/L	0.07
Spiked Amount	25.000	Range	30 - 150	Recovery	=	6.92%#
7) Chloroethane-d5	1.59	69	324	15.14	ug/L	0.02
Spiked Amount	25.000	Range	30 - 150	Recovery	=	60.56%
10) 1,1-Dichloroethene-d2	2.13	63	265	4.31	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	17.24%#
20) 2-Butanone-d5	4.03	46	368	46.37	ug/L	0.09
Spiked Amount	50.000	Range	20 - 135	Recovery	=	92.74%
24) Chloroform-d	4.41	84	1163	22.04	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	88.16%
26) 1,2-Dichloroethane-d4	5.09	65	2431	78.05	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	312.20%#
29) Benzene-d6	5.10	84	1216	7.57	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	30.28%
33) 1,2-Dichloropropane-d6	6.12	67	1424	30.27	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	121.08%#
37) Toluene-d8	7.37	98	1127	7.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	29.16%#
38) trans-1,3-Dichloropropene-	7.66	79	155	6.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	26.80%#
39) 2-Hexanone-d5	8.21	63	80	7.64	ug/L	0.07
Spiked Amount	50.000	Range	20 - 135	Recovery	=	15.28%#
48) 1,1,2,2-Tetrachloroethane-	10.26	84	3815	81.09	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	324.36%#
61) 1,2-Dichlorobenzene-d4	11.68	152	1647	37.88	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	151.52%#

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.33	85	40	1.314	ug/L # 1
3) Chloromethane	1.25	50	291	10.999	ug/L # 73
5) Vinyl chloride	1.64	62	46	1.664	ug/L # 1
6) Bromomethane	1.54	94	116	6.562	ug/L 42
8) Chloroethane	1.83	64	93	5.280	ug/L 100
9) Trichlorofluoromethane	1.40	101	43	0.758	ug/L # 62
13) Acetone	2.17	43	100	11.939	ug/L 82
14) Carbon disulfide	2.32	76	67	1.042	ug/L # 75
15) Methyl Acetate	2.45	43	68	4.974	ug/L # 47
16) Methylene chloride	2.54	84	1506	46.979	ug/L 83
18) trans-1,2-Dichloroethene	3.05	96	44	1.779	ug/L # 1
21) 2-Butanone	3.89	43	94	10.353	ug/L # 49
27) 1,2-Dichloroethane	4.93	62	44	1.251	ug/L # 76
30) Cyclohexane	4.79	56	45	0.782	ug/L # 14
36) Methylcyclohexane	6.15	83	74	1.121	ug/L # 66
40) 1,2-Dichloropropane	6.14	63	134	3.410	ug/L # 86
49) 2-Hexanone	8.19	43	362	16.844	ug/L # 37

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV041819\
Data File : VV010366.D
Acq On : 18 Apr 2019 23:06
Operator : SY/MD
Sample : K2402-13
Misc : 5.03G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAHJ3

Quant Time: Apr 19 06:14:10 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

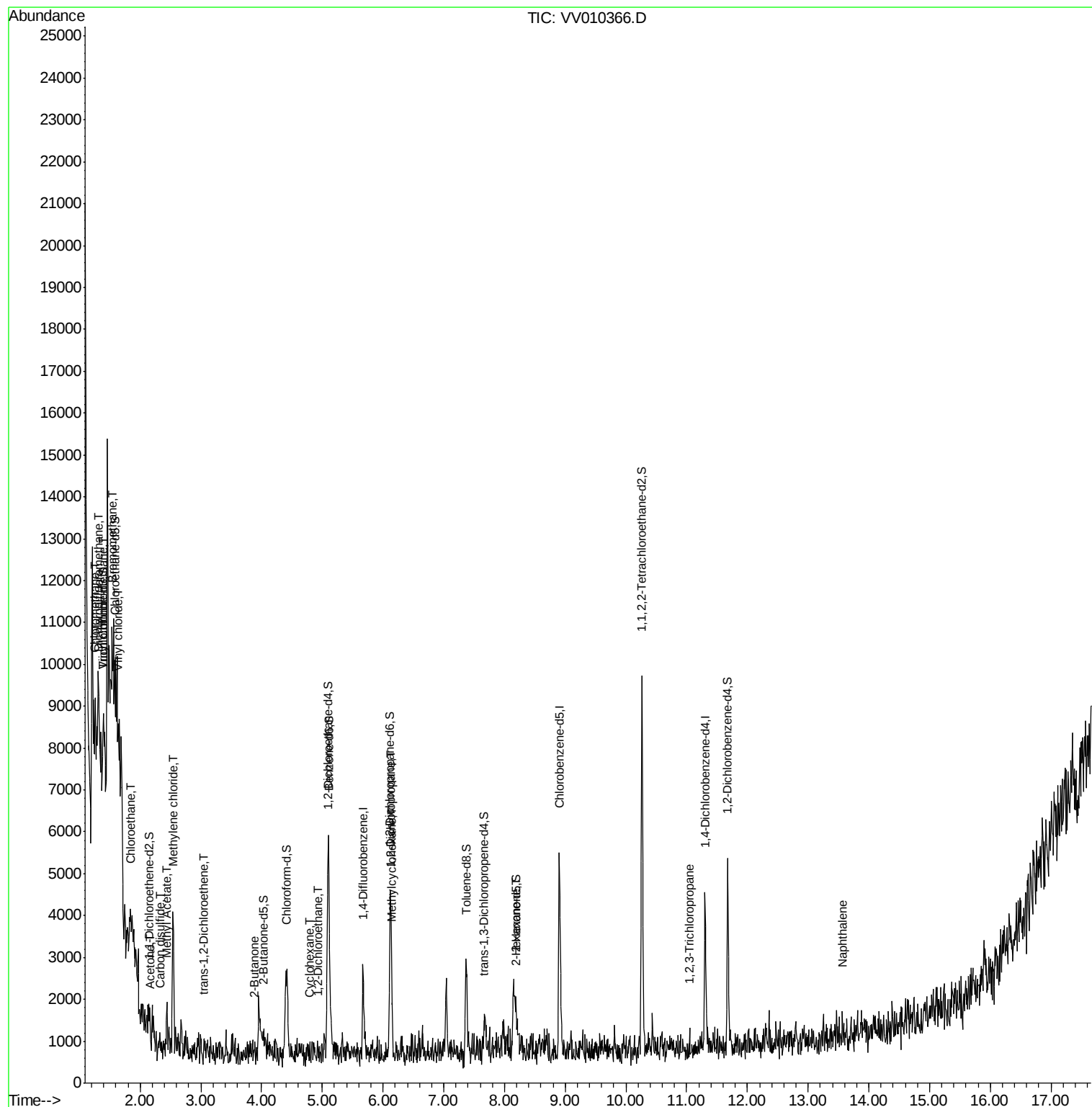
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
59) 1,2,3-Trichloropropane	11.05	75	67	2.021	ug/L #	42
69) Naphthalene	13.56	128	97	1.172	ug/L #	69

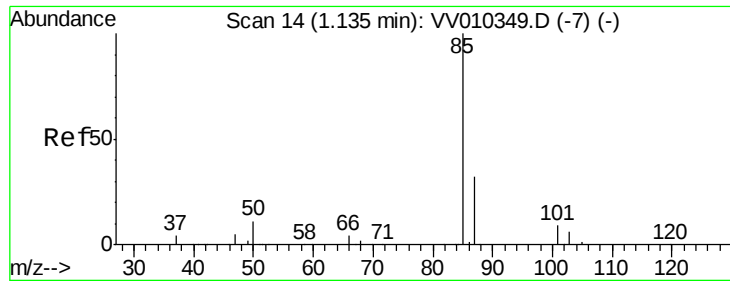
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV041819\
Data File : VV010366.D
Acq On : 18 Apr 2019 23:06
Operator : SY/MD
Sample : K2402-13
Misc : 5.03G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAHJ3

Quant Time: Apr 19 06:14:10 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041819S.M
Quant Title : VOC Analysis
QLast Update : Fri Apr 19 06:08:59 2019
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 1.314 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.19 min

Lab File: VV010366.D

Acq: 18 Apr 2019 23:06

Instrument :

MSVOA_V

ClientSampleId :

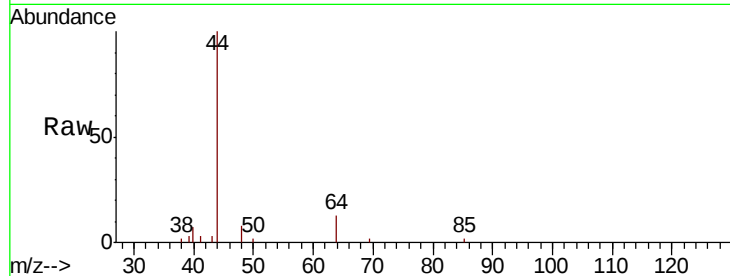
GAHJ3

Tgt Ion: 85 Resp: 40

Ion Ratio Lower Upper

85 100

87 100.0 23.4 43.4#



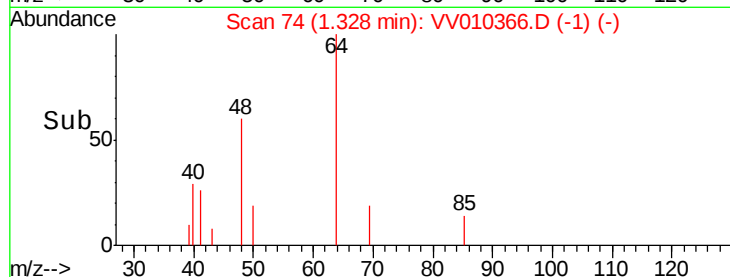
Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

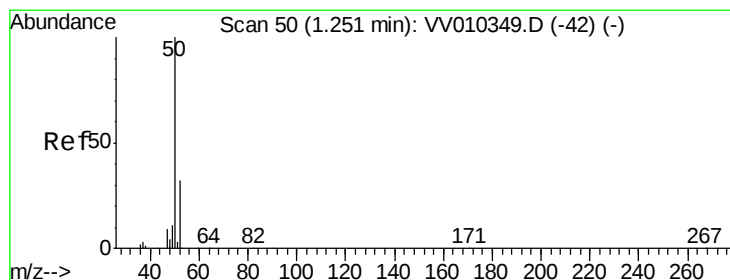
1.33

1.33

1.34



Time-->



#3

Chloromethane

Concen: 10.999 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.01 min

Lab File: VV010366.D

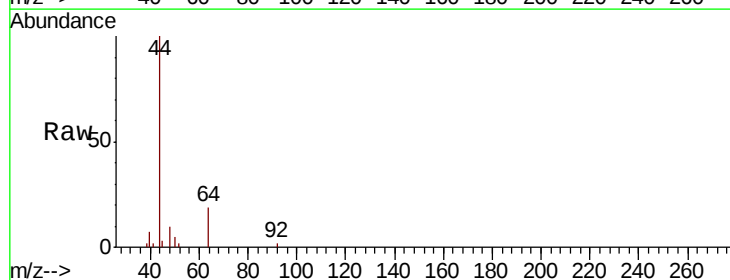
Acq: 18 Apr 2019 23:06

Tgt Ion: 50 Resp: 291

Ion Ratio Lower Upper

50 100

52 48.5 23.2 43.2#



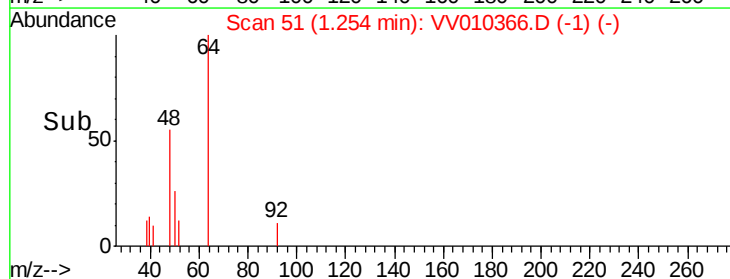
Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

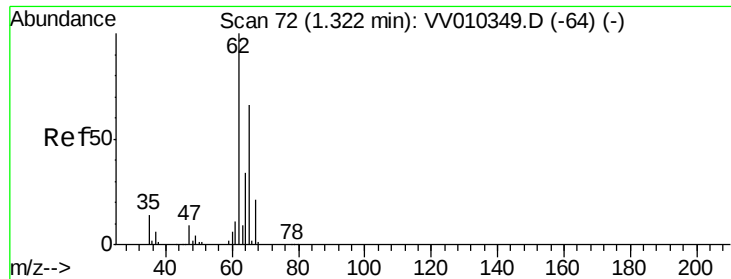
1.25

1.25

1.26



Time-->



#5

Vinyl chloride

Concen: 1.664 ug/L

RT: 1.64 min Scan# 170

Delta R.T. 0.32 min

Lab File: VV010366.D

Acq: 18 Apr 2019 23:06

Instrument :

MSVOA_V

ClientSampleId :

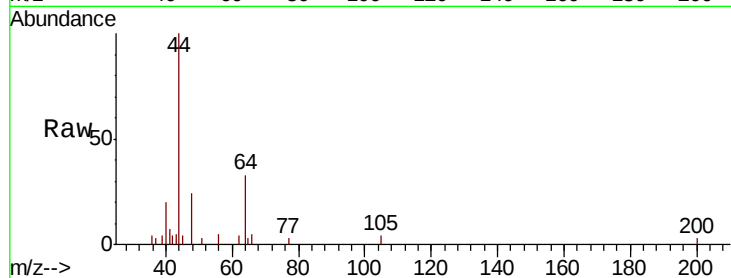
GAHJ3

Tgt Ion: 62 Resp: 46

Ion Ratio Lower Upper

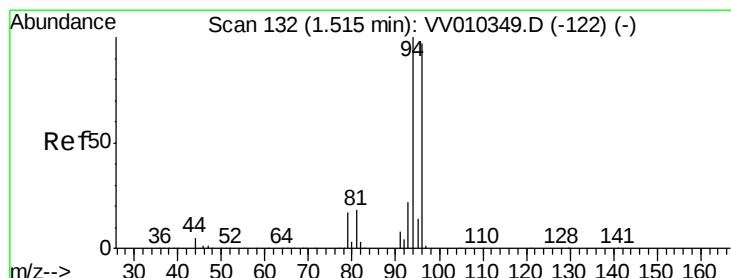
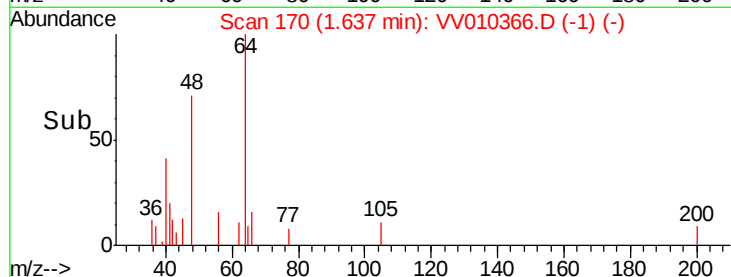
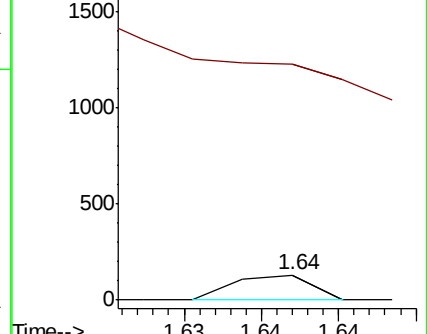
62 100

64 943.8 23.9 44.3#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 6.562 ug/L

RT: 1.54 min Scan# 140

Delta R.T. 0.02 min

Lab File: VV010366.D

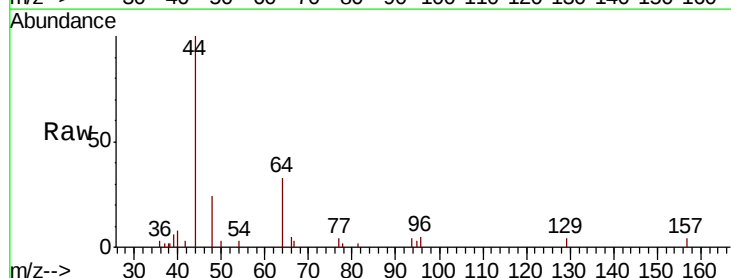
Acq: 18 Apr 2019 23:06

Tgt Ion: 94 Resp: 116

Ion Ratio Lower Upper

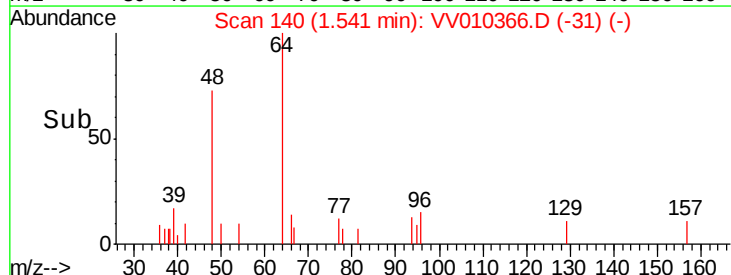
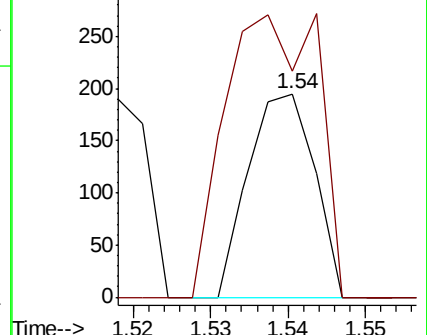
94 100

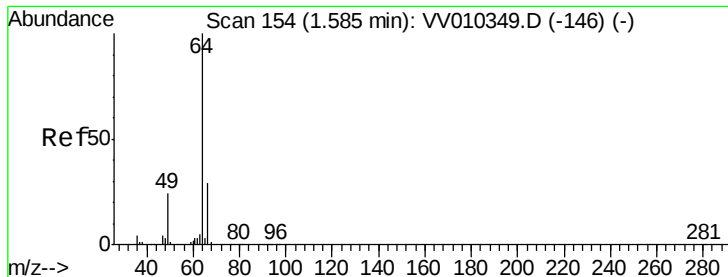
96 149.1 9.3 177.1



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 5.280 ug/L

RT: 1.83 min Scan# 231

Delta R.T. 0.24 min

Lab File: VV010366.D

Acq: 18 Apr 2019 23:06

Instrument :

MSVOA_V

ClientSampleId :

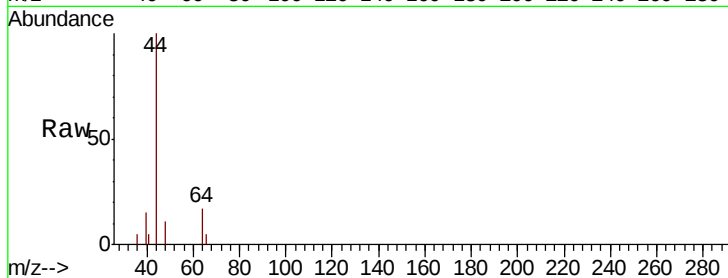
GAHJ3

Tgt Ion: 64 Resp: 93

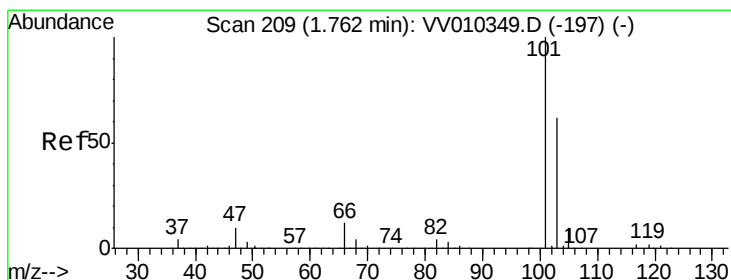
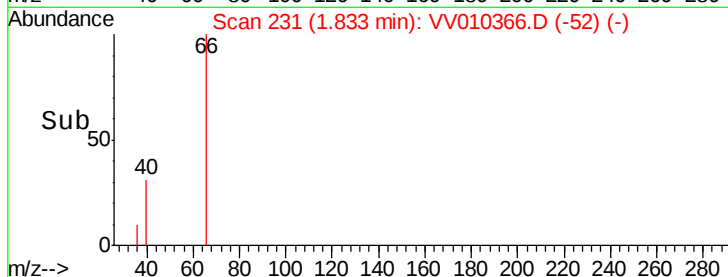
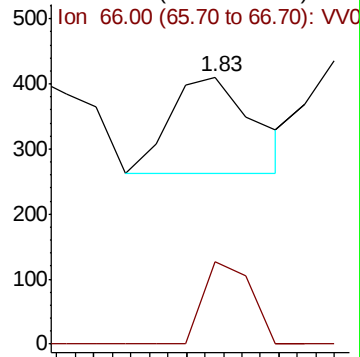
Ion Ratio Lower Upper

64 100

66 30.7 21.4 39.8



Abundance Ion 64.00 (63.70 to 64.70): VV010349.D (-146) (-)



#9

Trichlorofluoromethane

Concen: 0.758 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.37 min

Lab File: VV010366.D

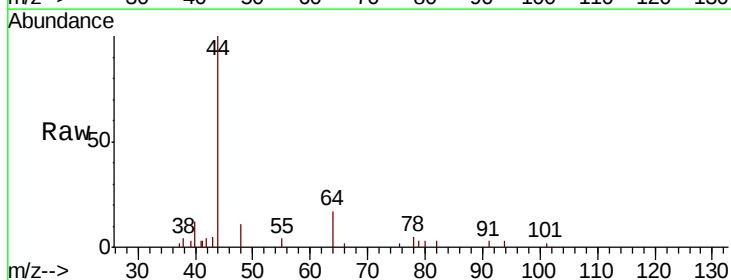
Acq: 18 Apr 2019 23:06

Tgt Ion: 101 Resp: 43

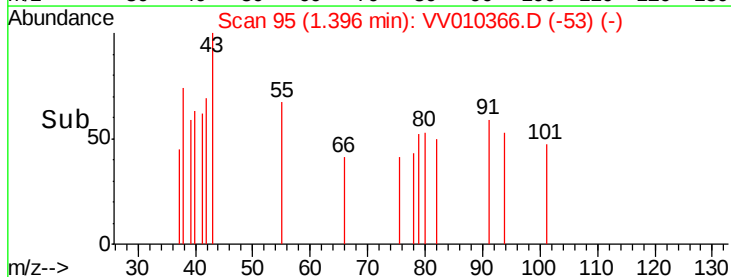
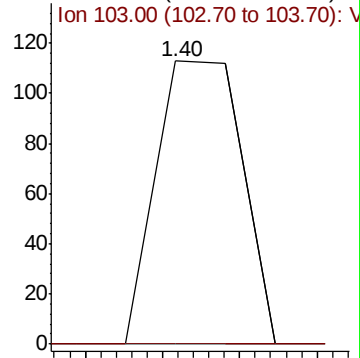
Ion Ratio Lower Upper

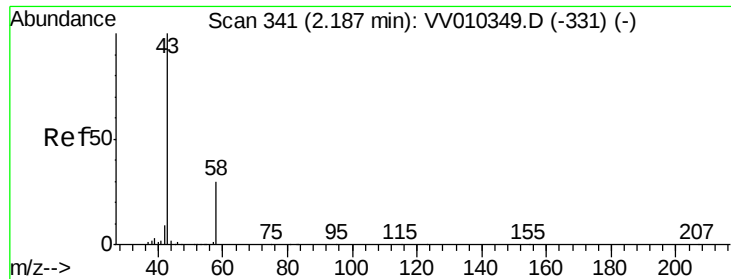
101 100

103 95.3 45.5 84.5#



Abundance Ion 101.00 (100.70 to 101.70): VV010349.D (-197) (-)





#13

Acetone

Concen: 11.939 ug/L

RT: 2.17 min Scan# 337

Delta R.T. -0.02 min

Lab File: VV010366.D

Acq: 18 Apr 2019 23:06

Instrument :

MSVOA_V

ClientSampleId :

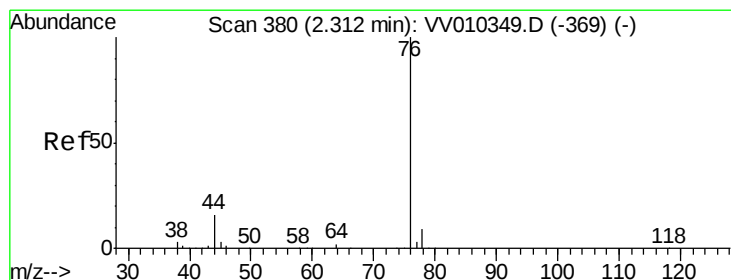
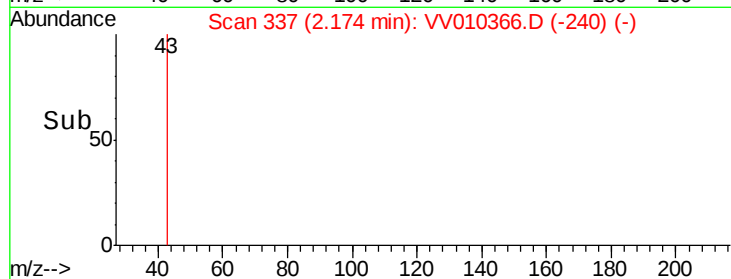
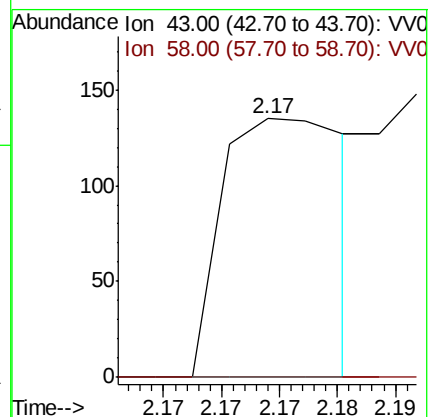
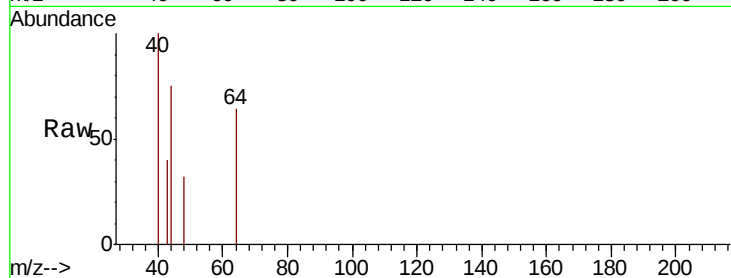
GAHJ3

Tgt Ion: 43 Resp: 100

Ion Ratio Lower Upper

43 100

58 40.0 0.0 60.0



#14

Carbon disulfide

Concen: 1.042 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.01 min

Lab File: VV010366.D

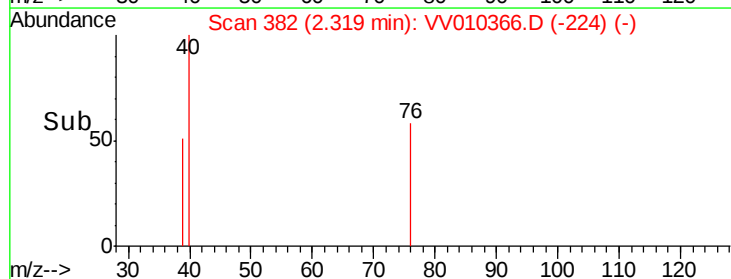
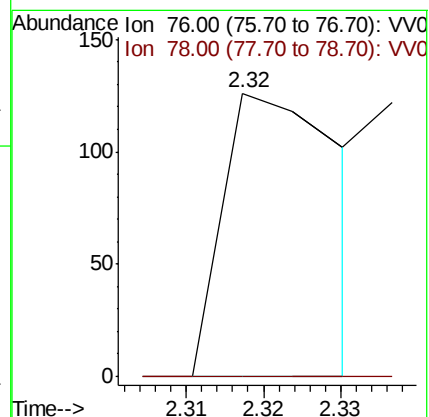
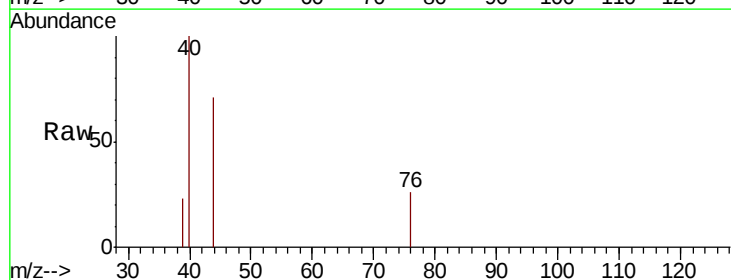
Acq: 18 Apr 2019 23:06

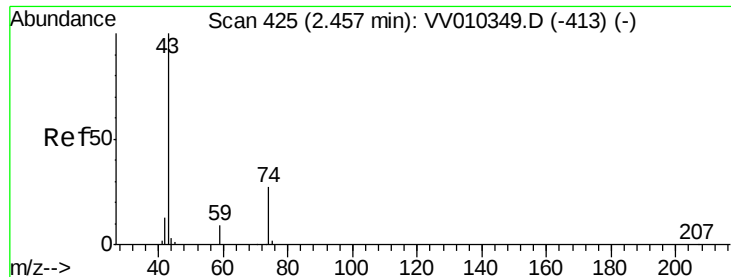
Tgt Ion: 76 Resp: 67

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#

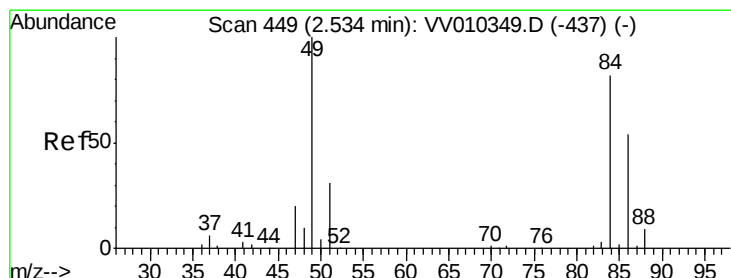
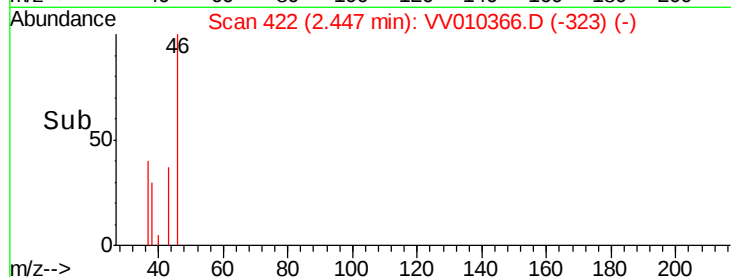
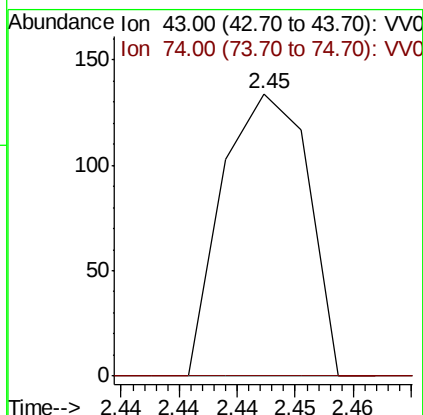
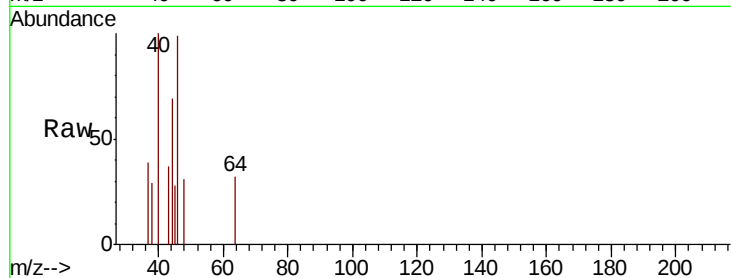




#15
Methyl Acetate
Concen: 4.974 ug/L
RT: 2.45 min Scan# 422
Delta R.T. -0.01 min
Lab File: VV010366.D
Acq: 18 Apr 2019 23:06

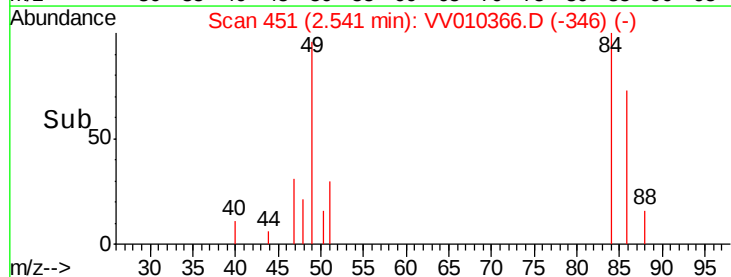
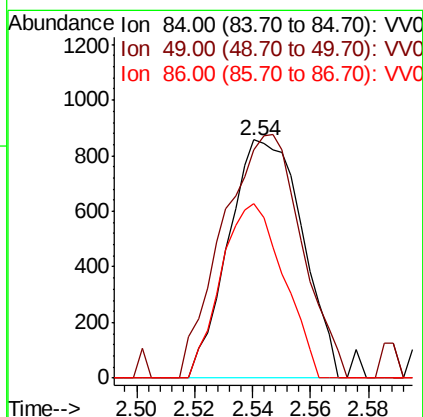
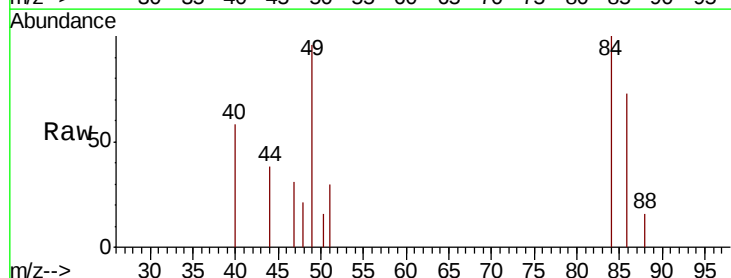
Instrument :
MSVOA_V
ClientSampleId :
GAHJ3

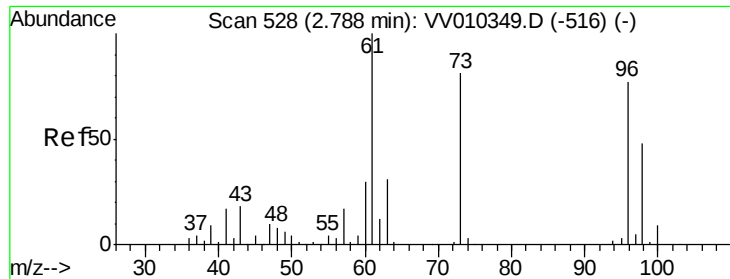
Tgt Ion: 43 Resp: 68
Ion Ratio Lower Upper
43 100
74 0.0 22.1 33.1#



#16
Methylene chloride
Concen: 46.979 ug/L
RT: 2.54 min Scan# 451
Delta R.T. 0.01 min
Lab File: VV010366.D
Acq: 18 Apr 2019 23:06

Tgt Ion: 84 Resp: 1506
Ion Ratio Lower Upper
84 100
49 95.6 83.8 155.6
86 73.3 46.1 85.5

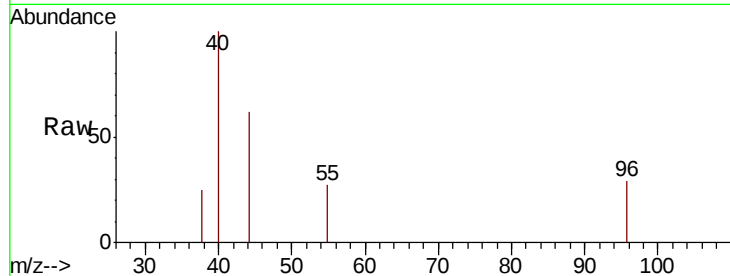




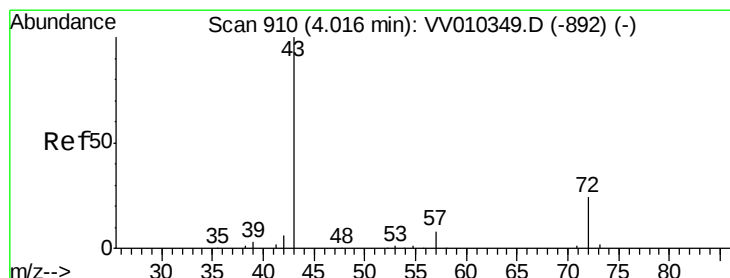
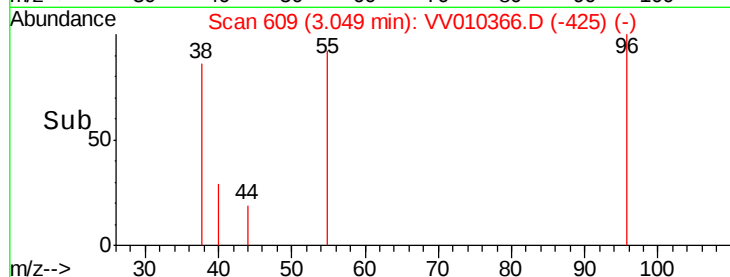
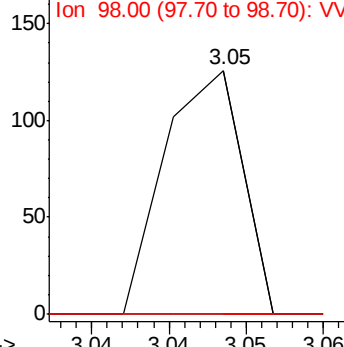
#18
trans-1,2-Dichloroethene
Concen: 1.779 ug/L
RT: 3.05 min Scan# 609
Delta R.T. 0.26 min
Lab File: VV010366.D
Acq: 18 Apr 2019 23:06

Instrument :
MSVOA_V
ClientSampled :
GAHJ3

Tgt Ion: 96 Resp: 44
Ion Ratio Lower Upper
96 100
61 0.0 96.3 178.9#
98 0.0 44.9 83.5#

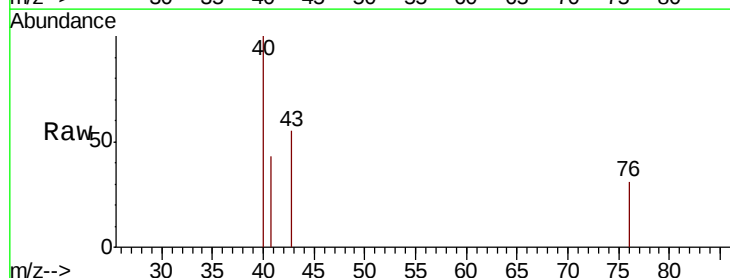


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

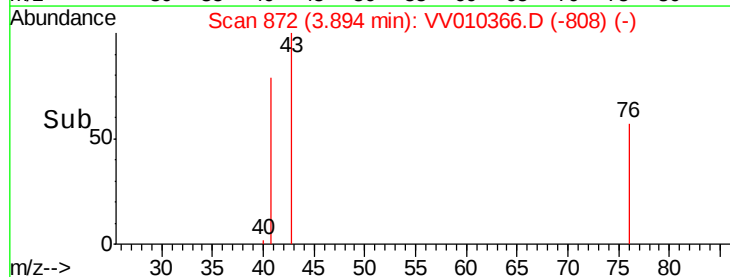
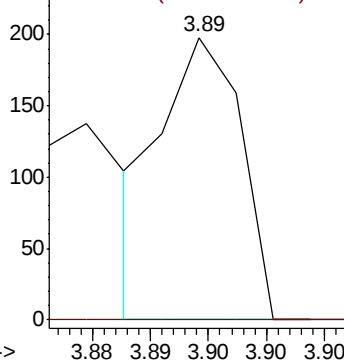


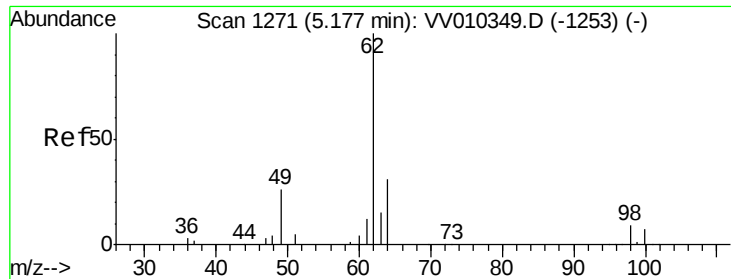
#21
2-Butanone
Concen: 10.353 ug/L
RT: 3.89 min Scan# 872
Delta R.T. -0.13 min
Lab File: VV010366.D
Acq: 18 Apr 2019 23:06

Tgt Ion: 43 Resp: 94
Ion Ratio Lower Upper
43 100
72 0.0 13.1 39.1#



Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 72.00 (71.70 to 72.70): VV0

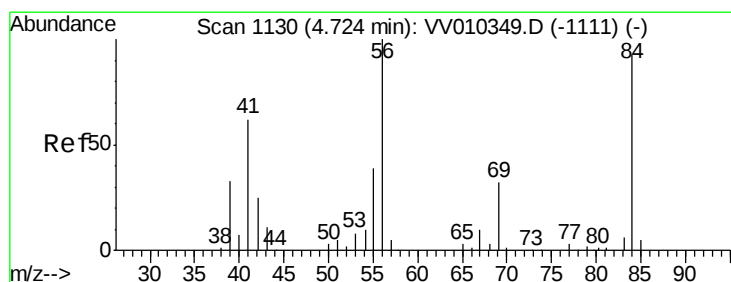
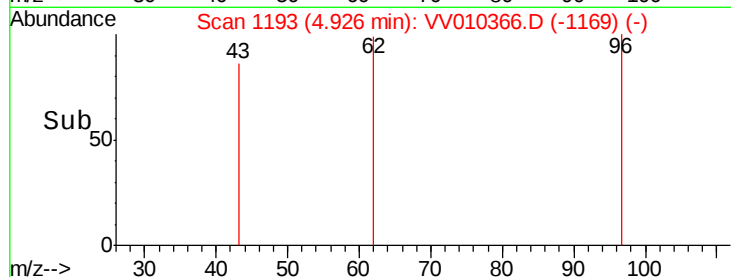
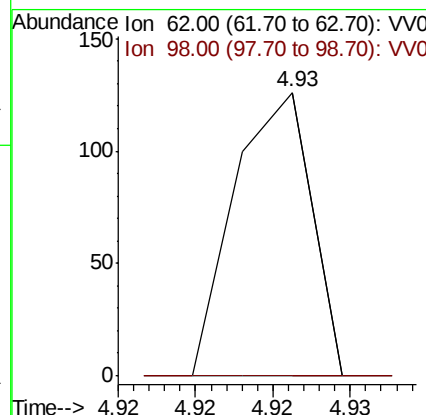
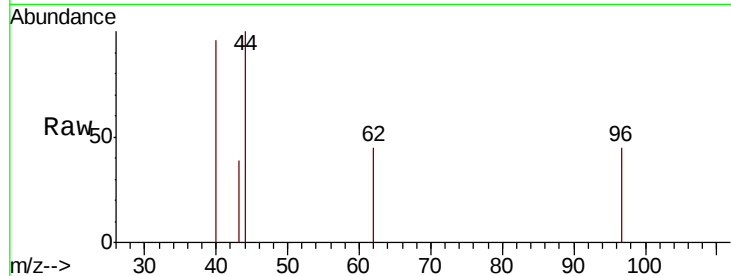




#27
 1,2-Dichloroethane
 Concen: 1.251 ug/L
 RT: 4.93 min Scan# 1193
 Delta R.T. -0.25 min
 Lab File: VV010366.D
 Acq: 18 Apr 2019 23:06

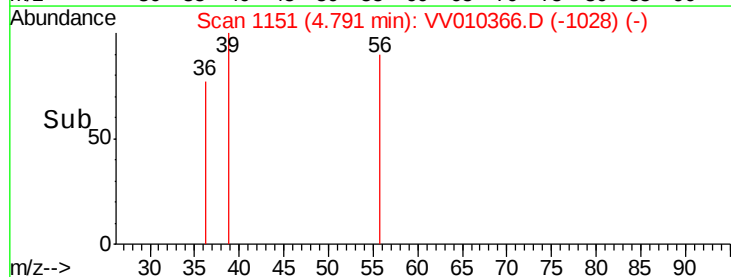
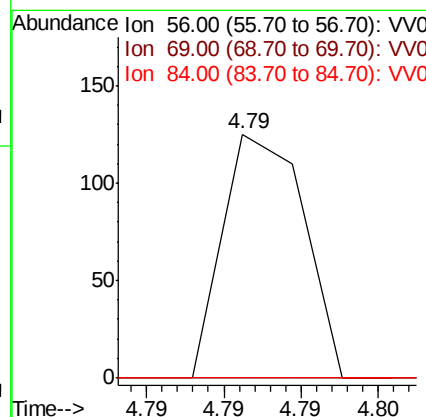
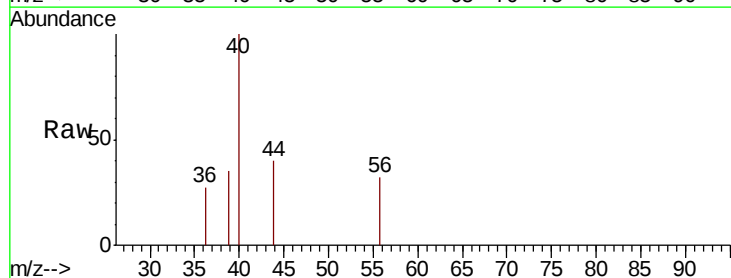
Instrument :
 MSVOA_V
 ClientSampled :
 GAHJ3

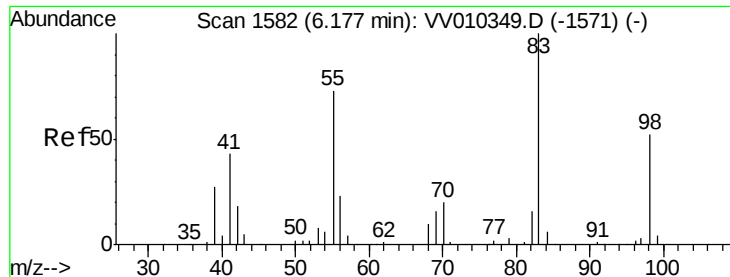
Tgt Ion: 62 Resp: 44
 Ion Ratio Lower Upper
 62 100
 98 0.0 6.8 10.2#



#30
 Cyclohexane
 Concen: 0.782 ug/L
 RT: 4.79 min Scan# 1151
 Delta R.T. 0.06 min
 Lab File: VV010366.D
 Acq: 18 Apr 2019 23:06

Tgt Ion: 56 Resp: 45
 Ion Ratio Lower Upper
 56 100
 69 0.0 25.3 37.9#
 84 0.0 73.0 109.4#

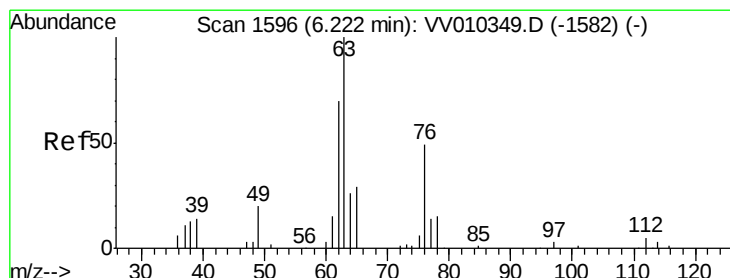
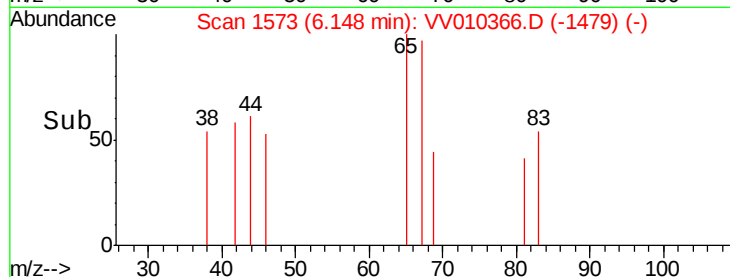
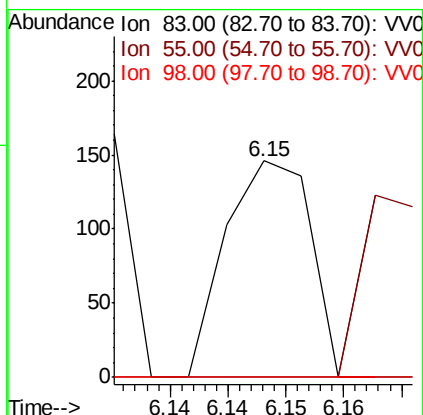
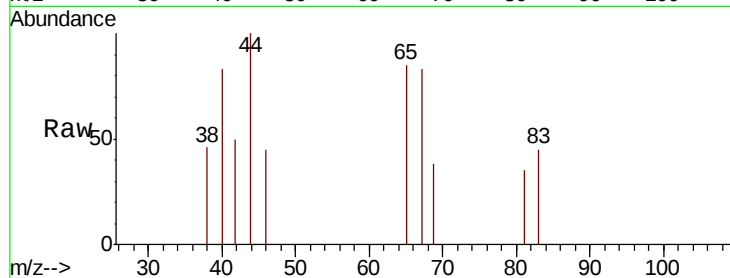




#36
Methylcyclohexane
Concen: 1.121 ug/L
RT: 6.15 min Scan# 1573
Delta R.T. -0.03 min
Lab File: VV010366.D
Acq: 18 Apr 2019 23:06

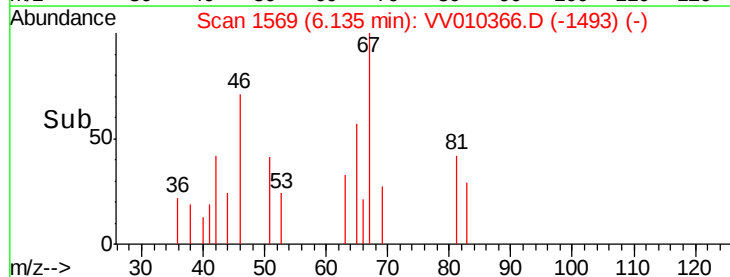
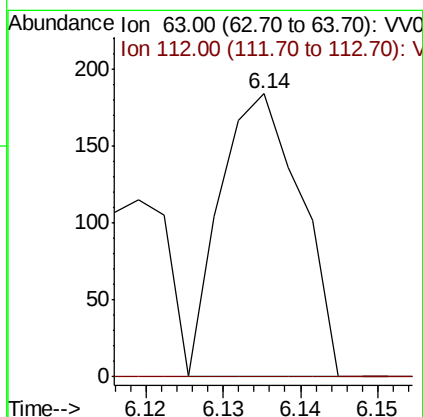
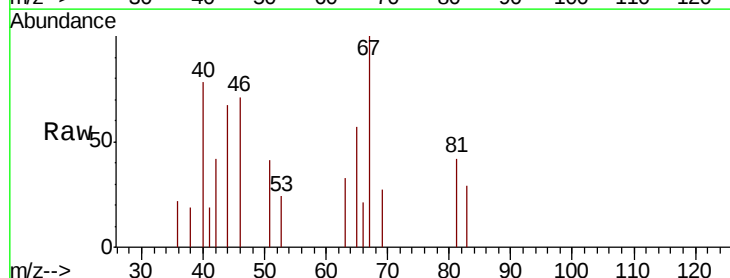
Instrument :
MSVOA_V
ClientSampled :
GAHJ3

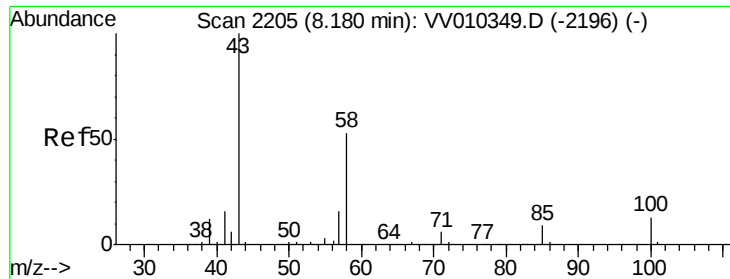
Tgt Ion: 83 Resp: 74
Ion Ratio Lower Upper
83 100
55 62.2 55.9 83.9
98 0.0 37.3 55.9#



#40
1,2-Dichloropropane
Concen: 3.410 ug/L
RT: 6.14 min Scan# 1569
Delta R.T. -0.09 min
Lab File: VV010366.D
Acq: 18 Apr 2019 23:06

Tgt Ion: 63 Resp: 134
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#

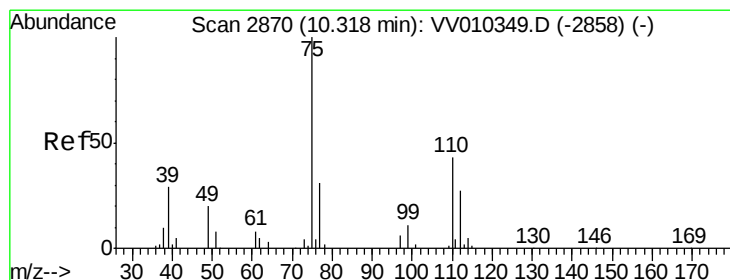
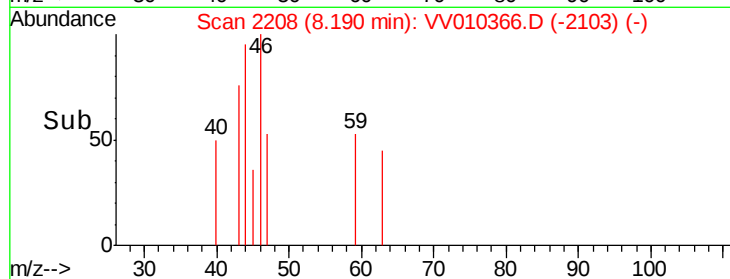
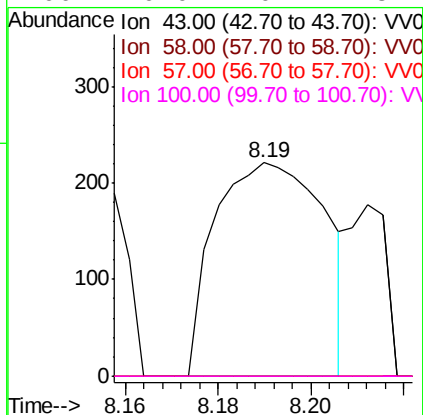
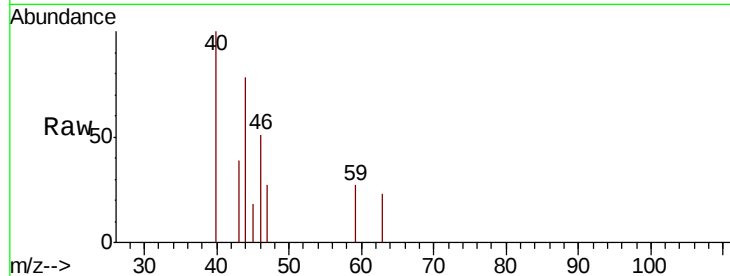




#49
2-Hexanone
Concen: 16.844 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.01 min
Lab File: VV010366.D
Acq: 18 Apr 2019 23:06

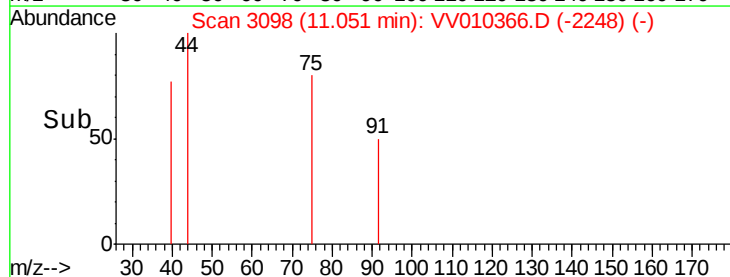
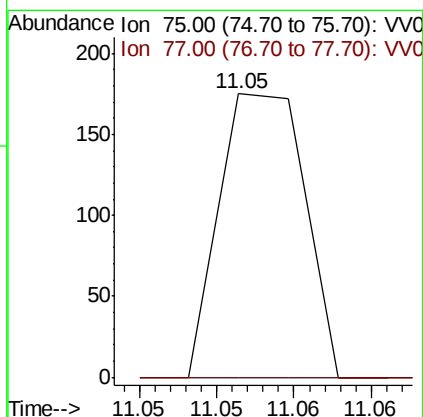
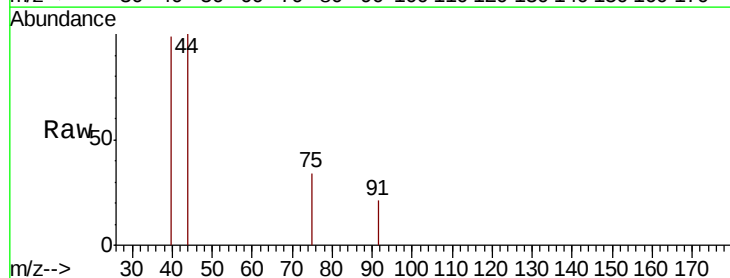
Instrument :
MSVOA_V
ClientSampleId :
GAHJ3

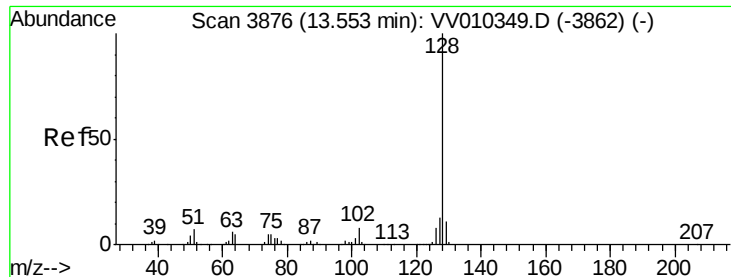
Tgt Ion:	43	Resp:	362
Ion	Ratio	Lower	Upper
43	100		
58	0.0	44.9	67.3#
57	0.0	15.8	23.6#
100	0.0	10.1	15.1#



#59
1,2,3-Trichloropropane
Concen: 2.021 ug/L
RT: 11.05 min Scan# 3098
Delta R.T. 0.73 min
Lab File: VV010366.D
Acq: 18 Apr 2019 23:06

Tgt Ion:	75	Resp:	67
Ion	Ratio	Lower	Upper
75	100		
77	0.0	25.8	38.8#





#69

Naphthalene

Concen: 1.172 ug/L

RT: 13.56 min Scan# 3879

Delta R.T. 0.01 min

Lab File: VV010366.D

Acq: 18 Apr 2019 23:06

Instrument :

MSVOA_V

ClientSampleId :

GAHJ3

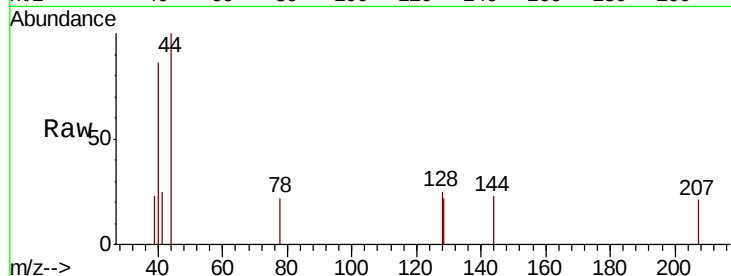
Tgt Ion:128 Resp: 97

Ion Ratio Lower Upper

128 100

129 0.0 8.7 13.1#

127 0.0 10.7 16.1#



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

