

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041619\
 Data File : VV010335.D
 Acq On : 16 Apr 2019 16:11
 Operator : SY/MD
 Sample : K2402-12
 Misc : 5.07G/10mL/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GAHJ2

Quant Time: Apr 16 23:11:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041019S.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 16 23:09:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	291	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	85	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.31	152	124	25.00	ug/L	0.01

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	723	215.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	863.36%#
7) Chloroethane-d5	1.59	69	702	243.85	ug/L	0.03
Spiked Amount	25.000	Range	30 - 150	Recovery	=	975.40%#
10) 1,1-Dichloroethene-d2	2.14	63	890	104.38	ug/L	0.02
Spiked Amount	25.000	Range	45 - 110	Recovery	=	417.52%#
20) 2-Butanone-d5	0.00	46	0	0.00	ug/L	
Spiked Amount	50.000	Range	20 - 135	Recovery	=	0.00%#
24) Chloroform-d	4.40	84	499	75.09	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	300.36%#
26) 1,2-Dichloroethane-d4	5.09	65	132	34.88	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	139.52%#
29) Benzene-d6	5.11	84	829	202.27	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	809.08%#
33) 1,2-Dichloropropane-d6	6.12	67	246	201.79	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	807.16%#
37) Toluene-d8	7.36	98	221	55.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	221.16%#
38) trans-1,3-Dichloropropene-	0.00	79	0	0.00	ug/L	
Spiked Amount	25.000	Range	30 - 135	Recovery	=	0.00%#
39) 2-Hexanone-d5	0.00	63	0	0.00	ug/L	
Spiked Amount	50.000	Range	20 - 135	Recovery	=	0.00%#
48) 1,1,2,2-Tetrachloroethane-	10.29	84	60	54.84	ug/L	0.03
Spiked Amount	25.000	Range	45 - 120	Recovery	=	219.36%#
61) 1,2-Dichlorobenzene-d4	11.68	152	182	39.74	ug/L	0.01
Spiked Amount	25.000	Range	75 - 120	Recovery	=	158.96%#

Target Compounds

					Ovalue
3) Chloromethane	1.26	50	48	12.544	ug/L # 1
8) Chloroethane	1.71	64	47	18.318	ug/L # 42
12) 1,1-Dichloroethene	2.11	96	88	22.921	ug/L # 1
13) Acetone	2.21	43	214	236.273	ug/L 81
14) Carbon disulfide	2.16	76	43	4.638	ug/L # 76
15) Methyl Acetate	2.34	43	81	50.213	ug/L # 51
16) Methylene chloride	2.53	84	134	23.513	ug/L # 69
17) Methyl tert-butyl Ether	3.10	73	43	5.176	ug/L # 1
19) 1,1-Dichloroethane	3.08	63	44	7.332	ug/L # 48
21) 2-Butanone	4.06	43	21	20.328	ug/L # 1
25) Chloroform	4.42	83	43	6.033	ug/L # 55
42) cis-1,3-Dichloropropene	6.76	75	41	25.662	ug/L # 43
43) 4-Methyl-2-pentanone	7.33	43	45	65.947	ug/L # 1
45) trans-1,3-Dichloropropene	7.64	75	50	37.289	ug/L # 43
49) 2-Hexanone	8.15	43	45	100.302	ug/L # 39
53) Ethylbenzene	9.32	91	46	8.612	ug/L # 42
59) 1,2,3-Trichloropropane	10.64	75	43	52.858	ug/L # 41

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Quant Title : VOC Analysis
QLast Update : Tue Apr 16 23:09:02 2019
Response via : Initial Calibration

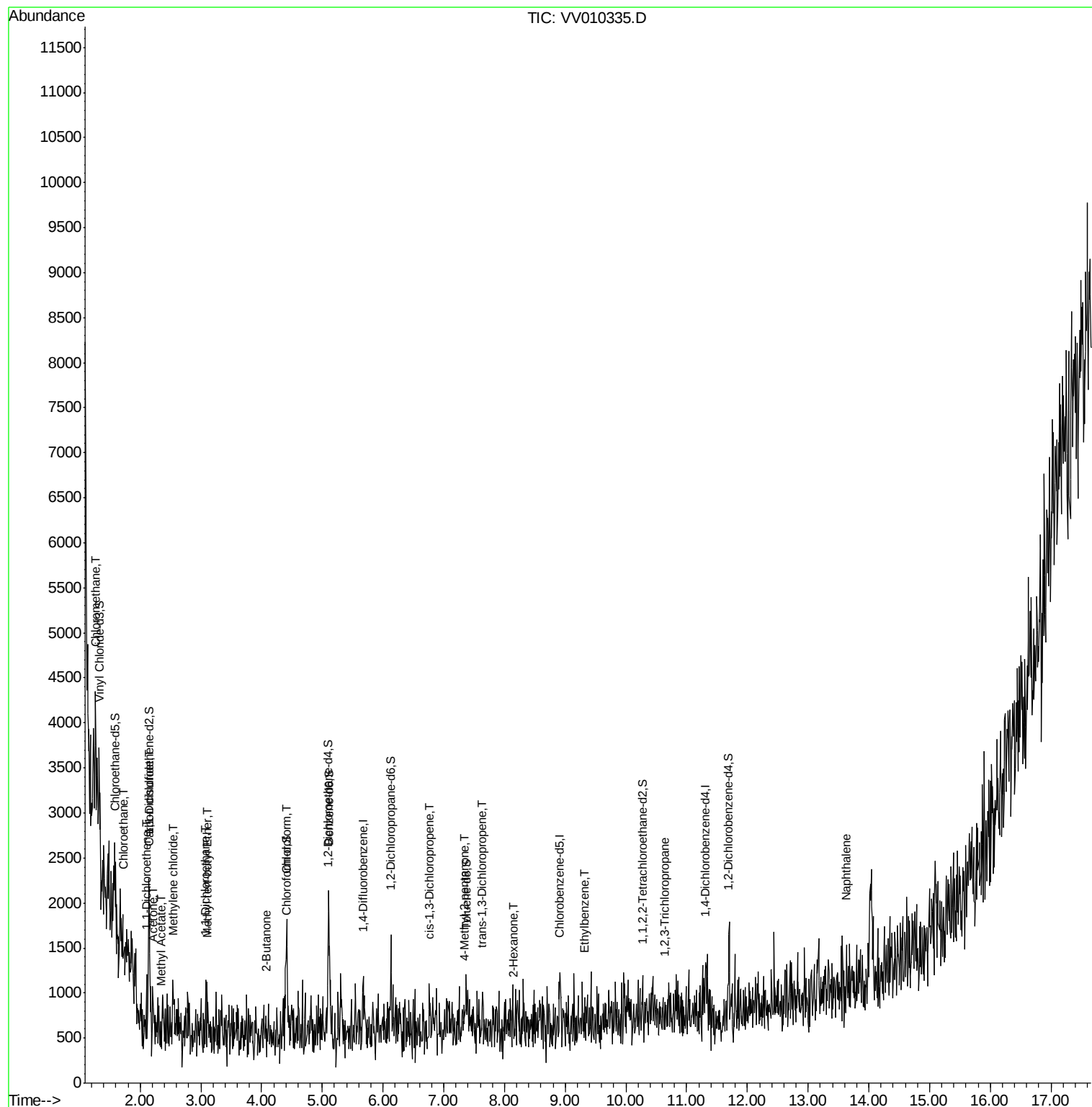
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Naphthalene	13.63	128	41	7.729	ug/L #	69

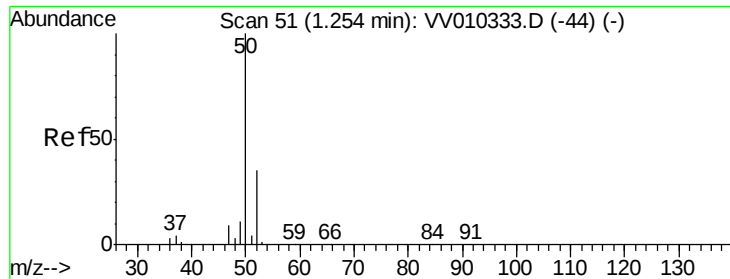
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV041619\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041019S.M
Quant Title : VOC Analysis
QLast Update : Tue Apr 16 23:09:02 2019
Response via : Initial Calibration





#3

Chloromethane

Concen: 12.544 ug/L

RT: 1.26 min Scan# 54

Delta R.T. 0.01 min

Lab File: VV010335.D

Acq: 16 Apr 2019 16:11

Instrument :

MSVOA_V

ClientSampled :

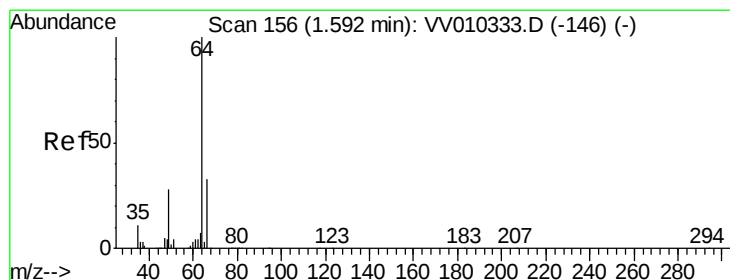
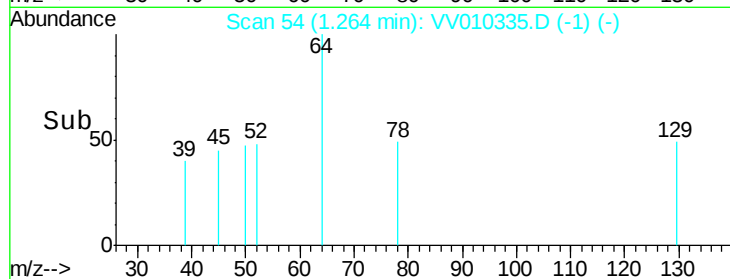
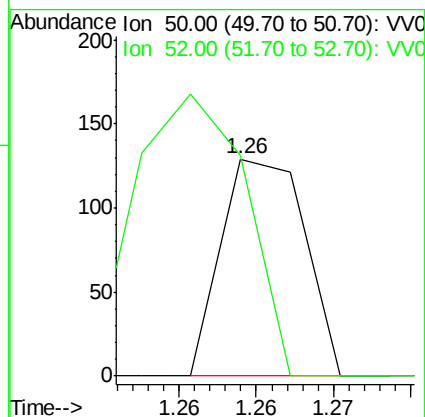
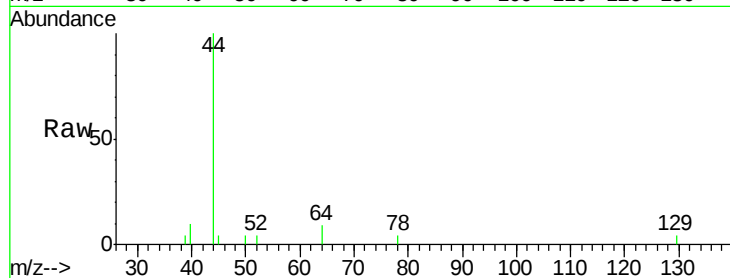
GAHJ2

Tot Ion: 50 Resp: 48

Ion Ratio Lower Upper

50 100

52 101.6 22.4 41.6#



#8

Chloroethane

Concen: 18.318 ug/L

RT: 1.71 min Scan# 194

Delta R.T. 0.14 min

Lab File: VV010335.D

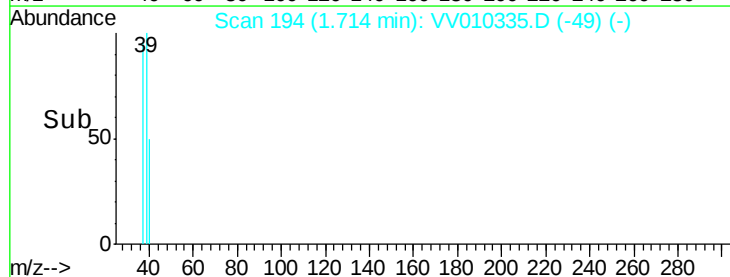
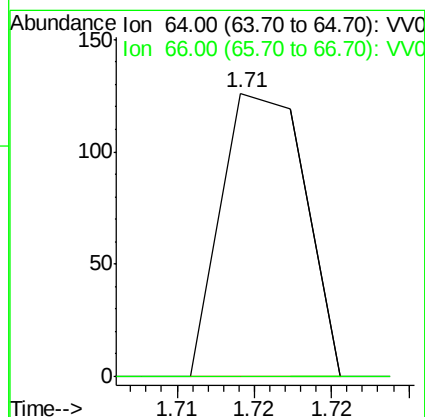
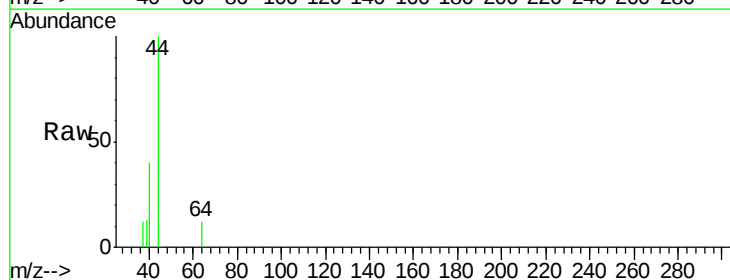
Acq: 16 Apr 2019 16:11

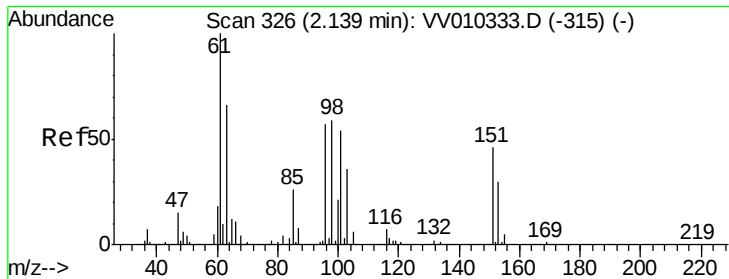
Tgt Ion: 64 Resp: 47

Ion Ratio Lower Upper

64 100

66 0.0 22.8 42.4#





#12

1,1-Dichloroethene

Concen: 22.921 ug/L

RT: 2.11 min Scan# 317

Delta R.T. -0.03 min

Lab File: VV010335.D

Acq: 16 Apr 2019 16:11

Instrument :

MSVOA_V

ClientSampleId :

GAHJ2

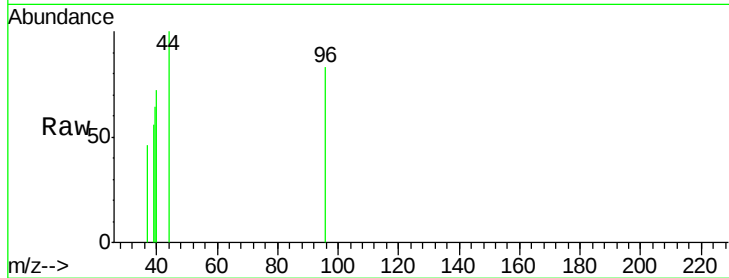
Tot Ion: 96 Resp: 88

Ion Ratio Lower Upper

96 100

61 0.0 125.3 232.7#

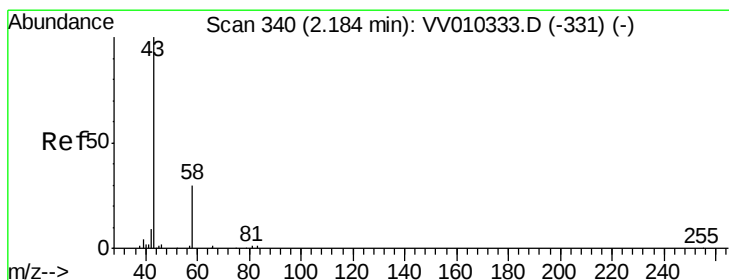
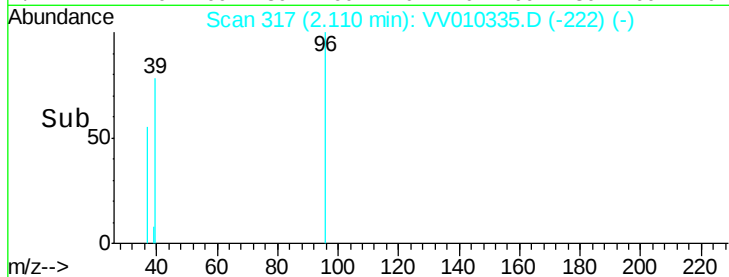
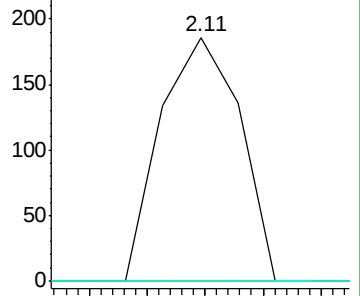
63 0.0 91.3 169.6#



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0



#13

Acetone

Concen: 236.273 ug/L

RT: 2.21 min Scan# 349

Delta R.T. 0.03 min

Lab File: VV010335.D

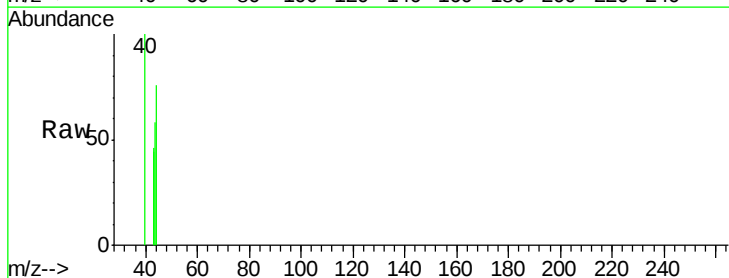
Acq: 16 Apr 2019 16:11

Tgt Ion: 43 Resp: 214

Ion Ratio Lower Upper

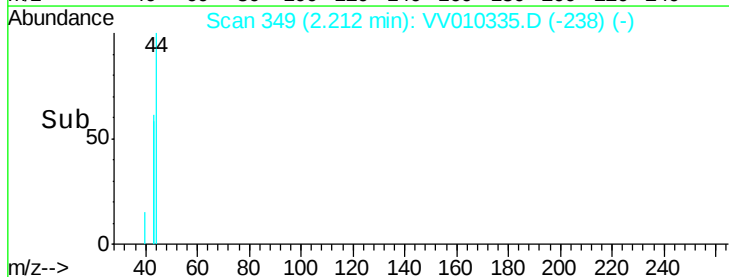
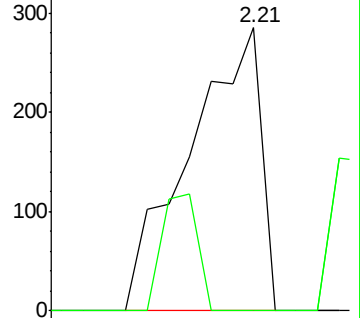
43 100

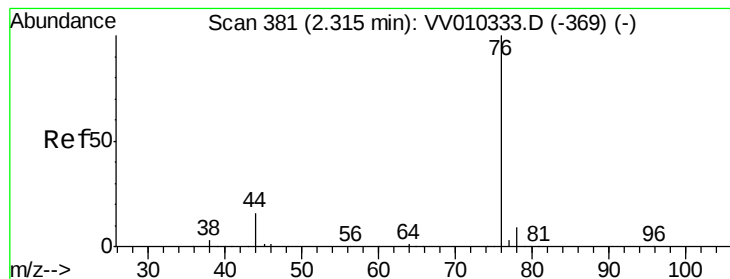
58 20.6 0.0 61.6



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0





#14

Carbon disulfide

Concen: 4.638 ug/L

RT: 2.16 min Scan# 332

Delta R.T. -0.15 min

Lab File: VV010335.D

Acq: 16 Apr 2019 16:11

Instrument :

MSVOA_V

ClientSampled :

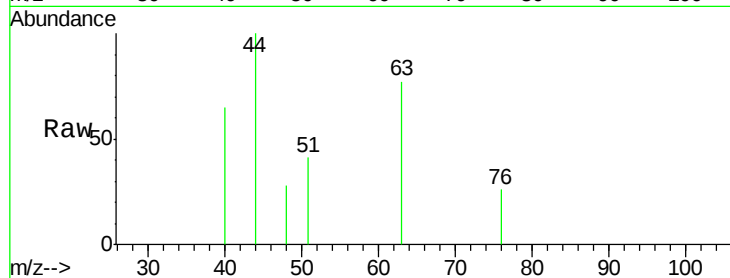
GAHJ2

Tot Ion: 76 Resp: 43

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.4#



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.16

120

100

80

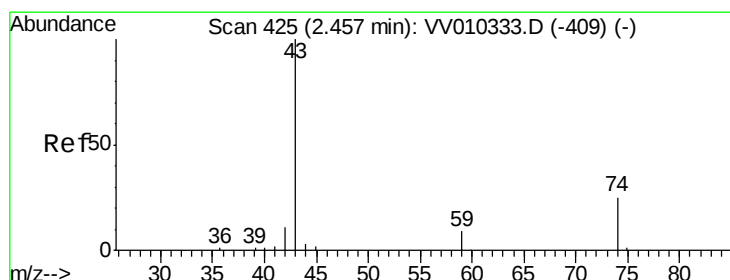
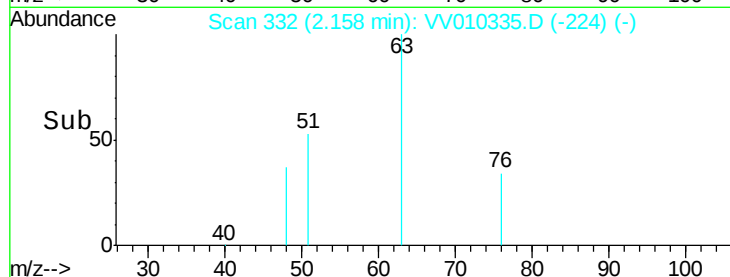
60

40

20

0

Time-->



#15

Methyl Acetate

Concen: 50.213 ug/L

RT: 2.34 min Scan# 390

Delta R.T. -0.11 min

Lab File: VV010335.D

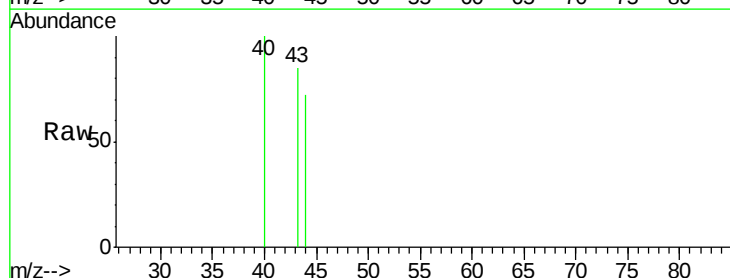
Acq: 16 Apr 2019 16:11

Tgt Ion: 43 Resp: 81

Ion Ratio Lower Upper

43 100

74 0.0 19.3 28.9#



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0

200

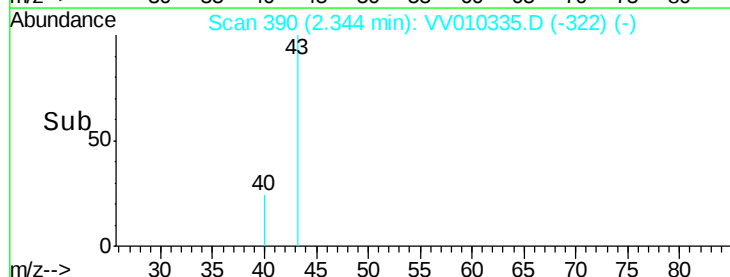
150

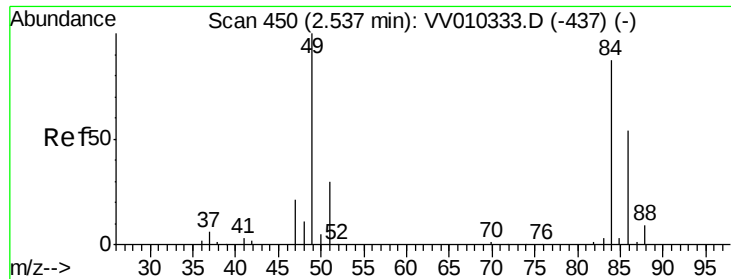
100

50

0

Time-->

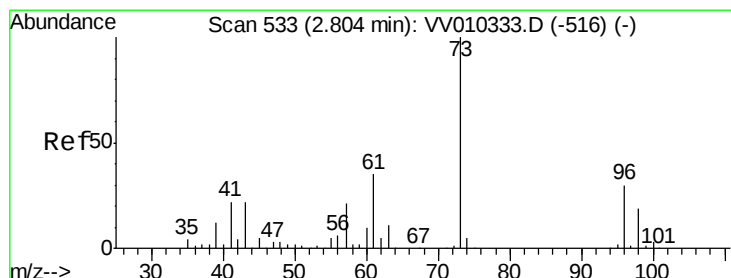
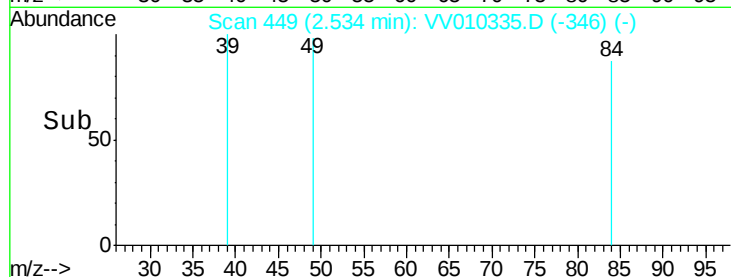
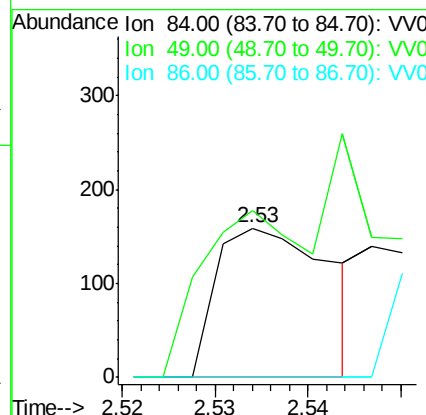
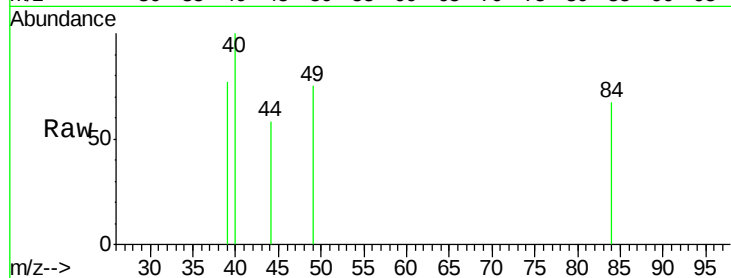




#16
Methylene chloride
Concen: 23.513 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV010335.D
Acq: 16 Apr 2019 16:11

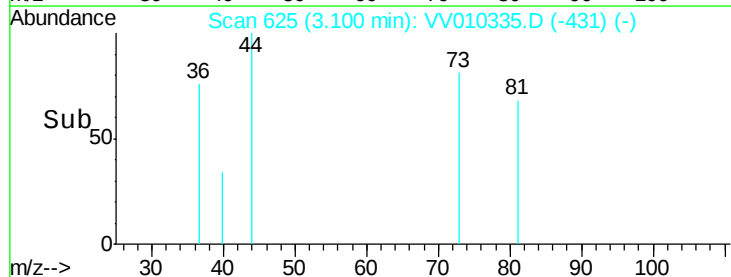
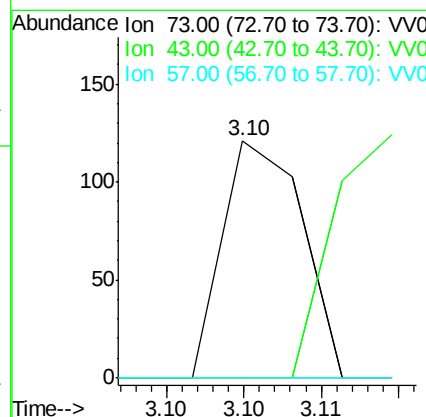
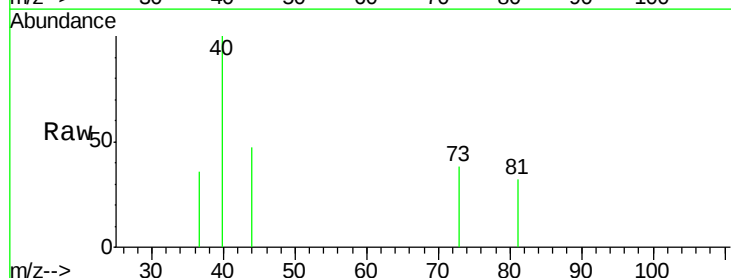
Instrument :
MSVOA_V
ClientSampled :
GAHJ2

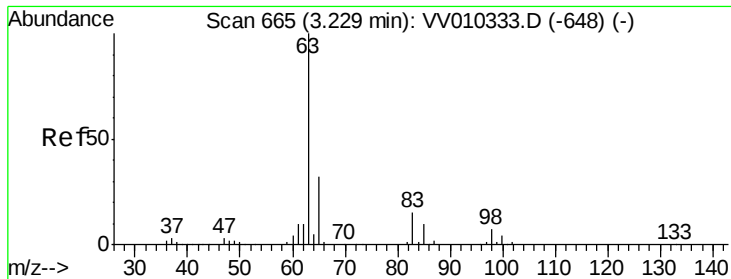
Tot Ion: 84 Resp: 134
Ion Ratio Lower Upper
84 100
49 111.9 79.9 148.5
86 0.0 44.5 82.7#



#17
Methyl tert-butyl Ether
Concen: 5.176 ug/L
RT: 3.10 min Scan# 625
Delta R.T. 0.29 min
Lab File: VV010335.D
Acq: 16 Apr 2019 16:11

Tgt Ion: 73 Resp: 43
Ion Ratio Lower Upper
73 100
43 146.5 16.0 24.0#
57 0.0 16.6 24.8#

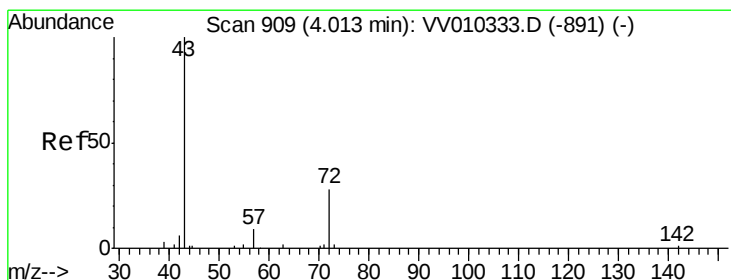
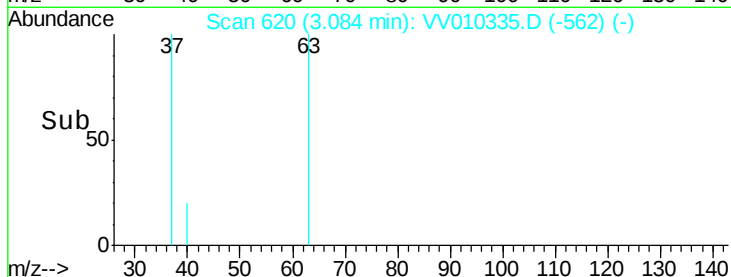
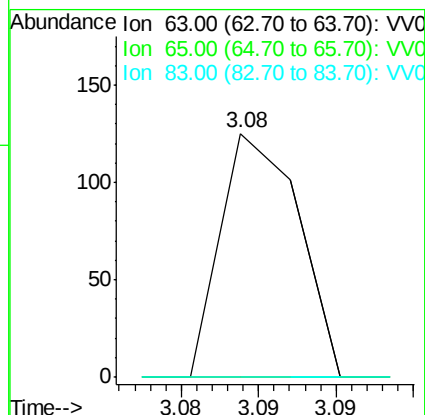
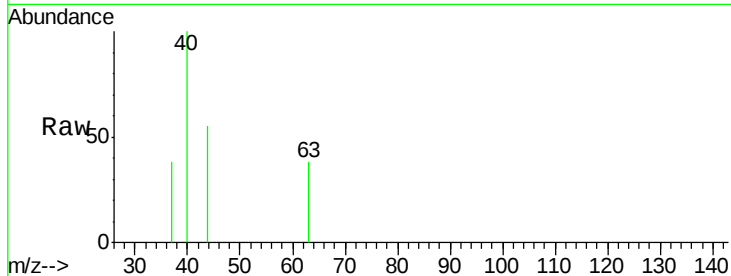




#19
 1,1-Dichloroethane
 Concen: 7.332 ug/L
 RT: 3.08 min Scan# 620
 Delta R.T. -0.14 min
 Lab File: VV010335.D
 Acq: 16 Apr 2019 16:11

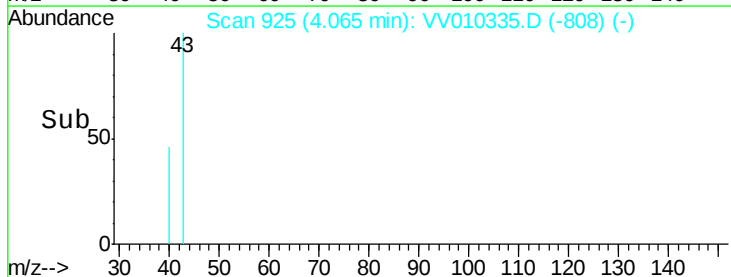
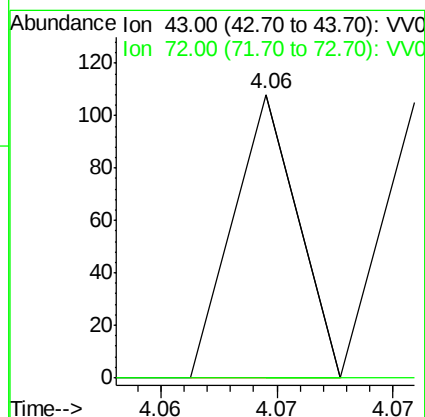
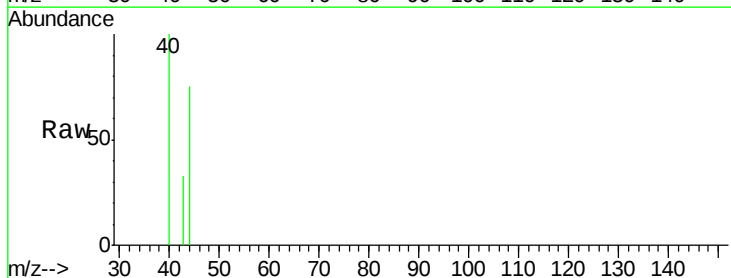
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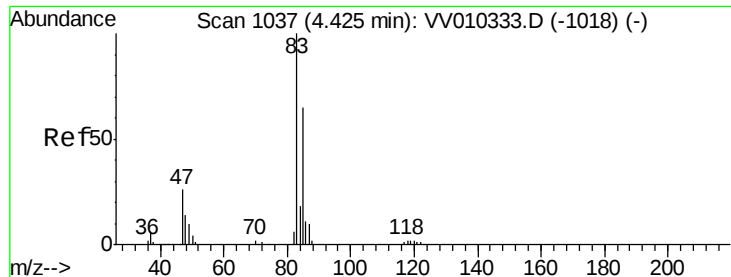
Tot Ion	Ratio	Lower	Upper
63	100		
65	0.0	23.8	44.2#
83	0.0	10.8	20.0#



#21
 2-Butanone
 Concen: 20.328 ug/L
 RT: 4.06 min Scan# 925
 Delta R.T. 0.05 min
 Lab File: VV010335.D
 Acq: 16 Apr 2019 16:11

Tgt Ion	Ratio	Lower	Upper
43	100		
72	338.1	13.5	40.4#





#25

Chloroform

Concen: 6.033 ug/L

RT: 4.42 min Scan# 1035

Delta R.T. -0.01 min

Lab File: VV010335.D

Acq: 16 Apr 2019 16:11

Instrument :

MSVOA_V

ClientSampleId :

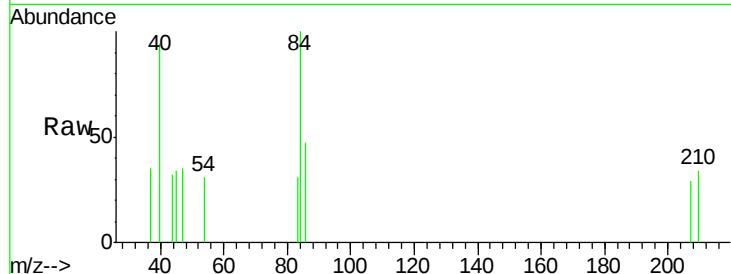
GAHJ2

Tot Ion: 83 Resp: 43

Ion Ratio Lower Upper

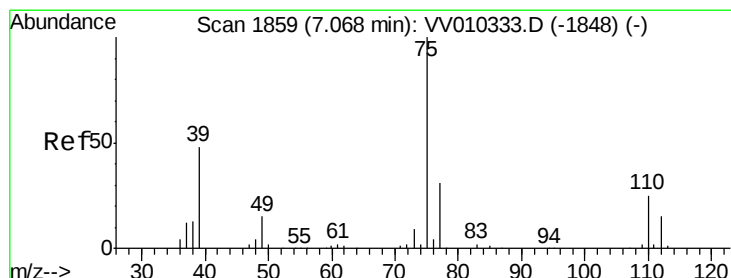
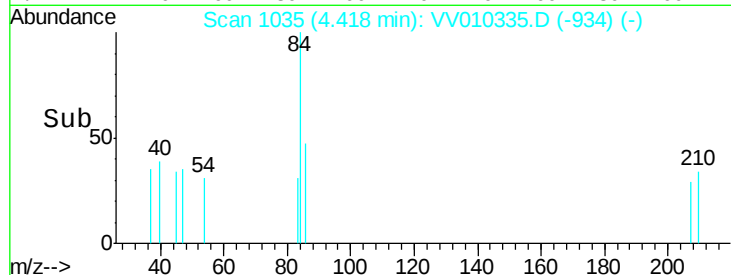
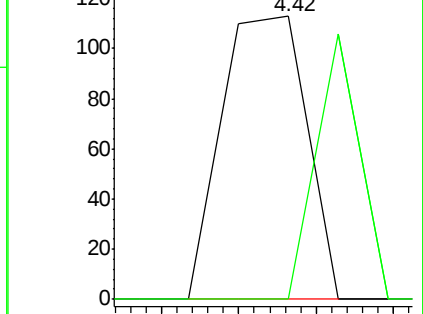
83 100

85 100.0 45.4 84.2#



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#42

cis-1,3-Dichloropropene

Concen: 25.662 ug/L

RT: 6.76 min Scan# 1763

Delta R.T. -0.31 min

Lab File: VV010335.D

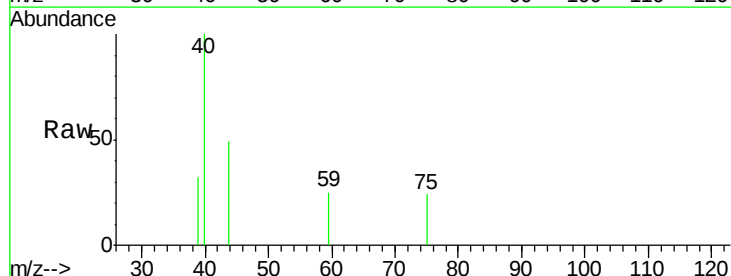
Acq: 16 Apr 2019 16:11

Tgt Ion: 75 Resp: 41

Ion Ratio Lower Upper

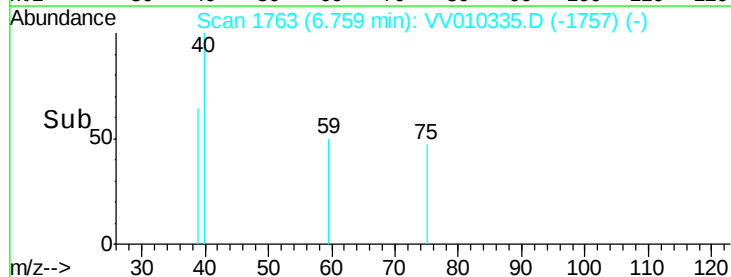
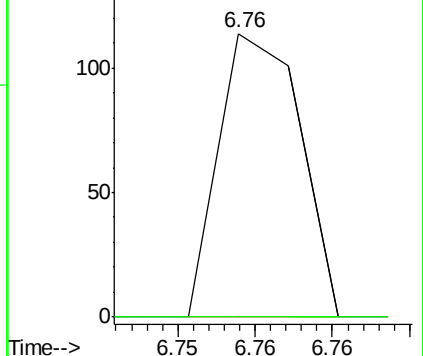
75 100

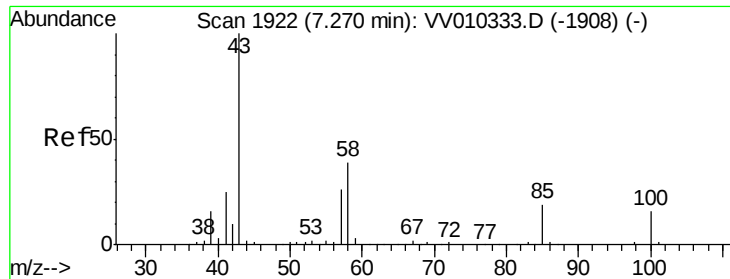
77 0.0 21.9 40.7#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

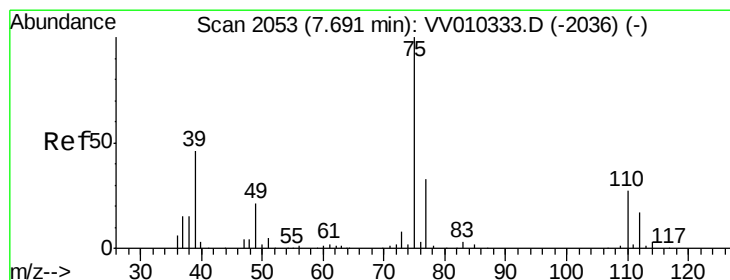
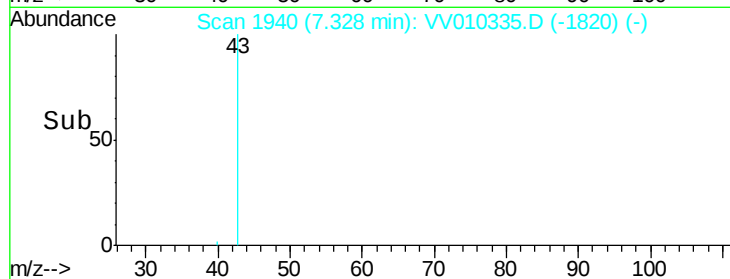
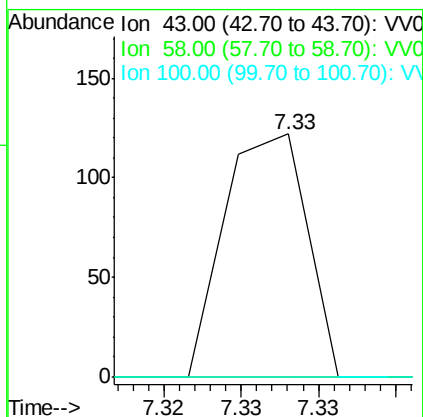
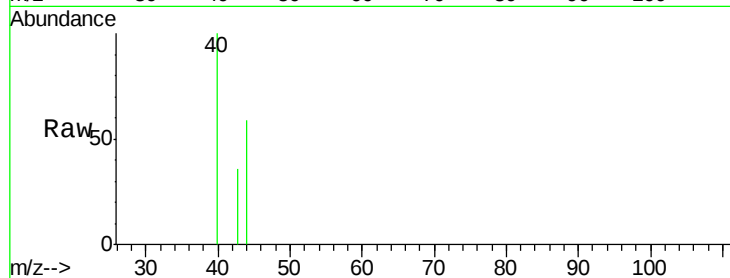




#43
4-Methyl-2-pentanone
Concen: 65.947 ug/L
RT: 7.33 min Scan# 1940
Delta R.T. 0.05 min
Lab File: VV010335.D
Acq: 16 Apr 2019 16:11

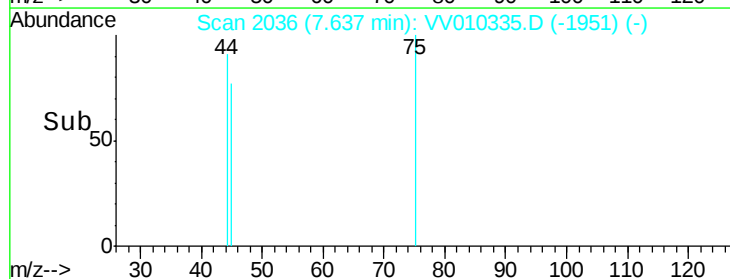
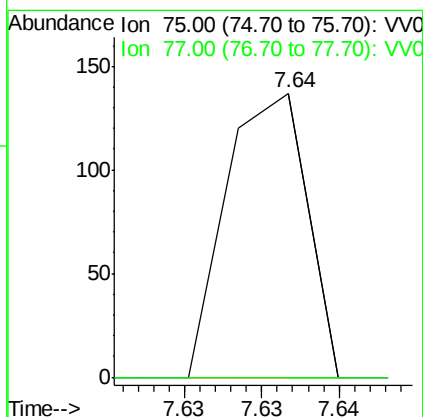
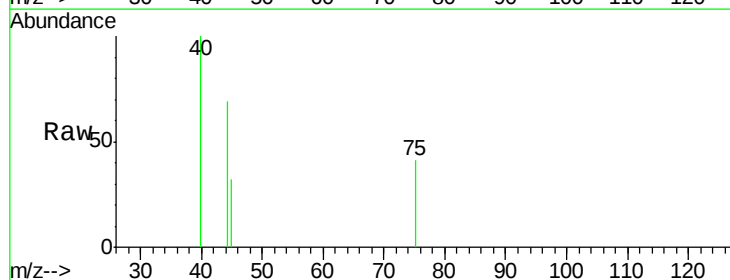
Instrument :
MSVOA_V
ClientSampleId :
GAHJ2

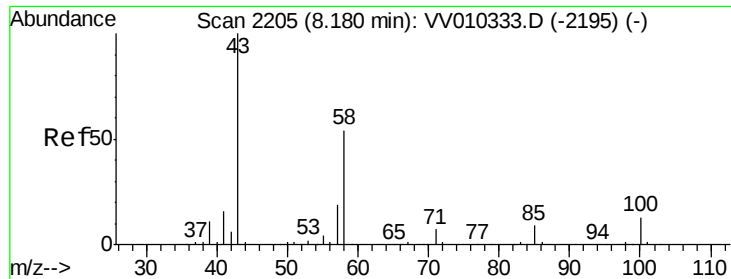
Tot Ion	43	Resp	45
Ion Ratio	100		
Lower	30.4		
Upper	45.6#		
100	171.1	13.5	20.3#



#45
trans-1,3-Dichloropropene
Concen: 37.289 ug/L
RT: 7.64 min Scan# 2036
Delta R.T. -0.06 min
Lab File: VV010335.D
Acq: 16 Apr 2019 16:11

Tgt Ion	75	Resp	50
Ion Ratio	100		
Lower	22.4		
Upper	41.6#		
77	0.0		

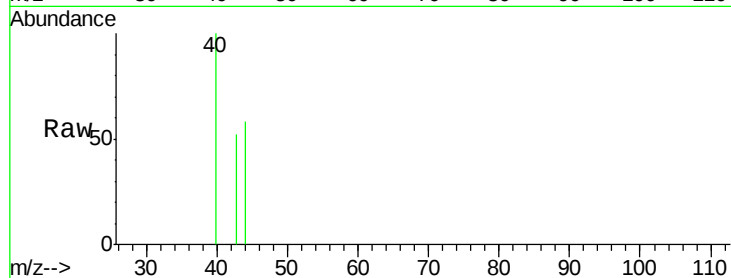




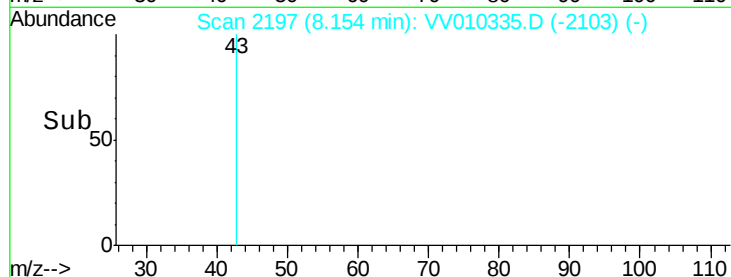
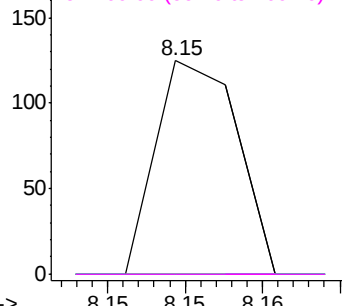
#49
2-Hexanone
Concen: 100.302 ug/L
RT: 8.15 min Scan# 2197
Delta R.T. -0.03 min
Lab File: VV010335.D
Acq: 16 Apr 2019 16:11

Instrument :
MSVOA_V
ClientSampleId :
GAHJ2

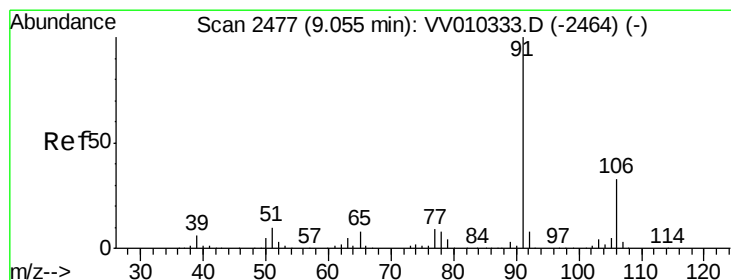
Tot Ion:	43	Resp:	45
Ion	Ratio	Lower	Upper
43	100		
58	0.0	42.8	64.2#
57	0.0	16.2	24.4#
100	0.0	11.1	16.7#



Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

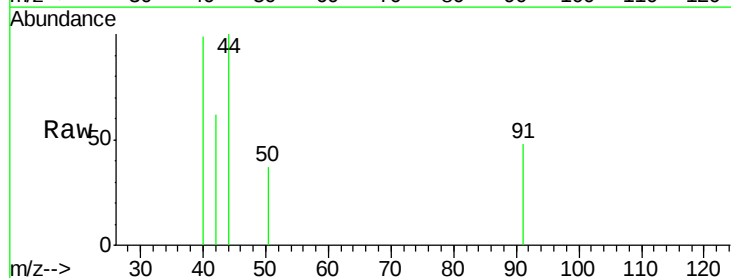


Time-->

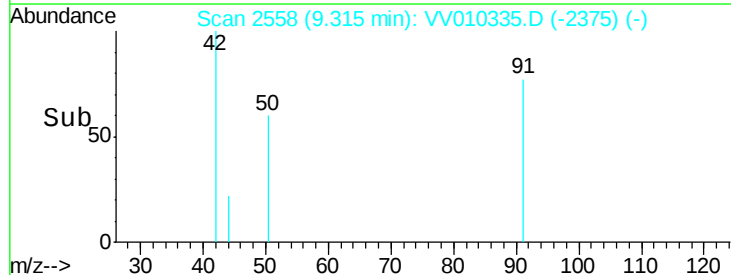
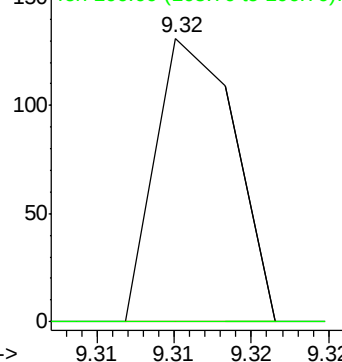


#53
Ethylbenzene
Concen: 8.612 ug/L
RT: 9.32 min Scan# 2558
Delta R.T. 0.26 min
Lab File: VV010335.D
Acq: 16 Apr 2019 16:11

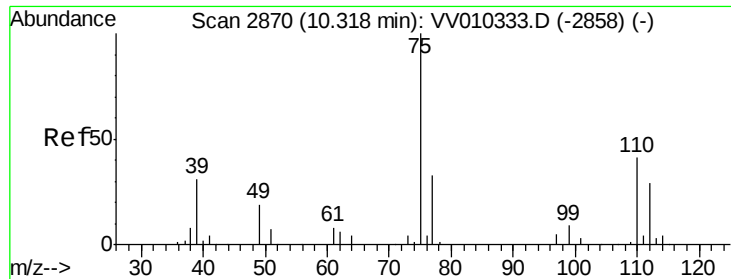
Tgt Ion:	91	Resp:	46
Ion	Ratio	Lower	Upper
91	100		
106	0.0	22.5	41.9#



Abundance Ion 91.00 (90.70 to 91.70): VV0
Ion 106.00 (105.70 to 106.70): VV0



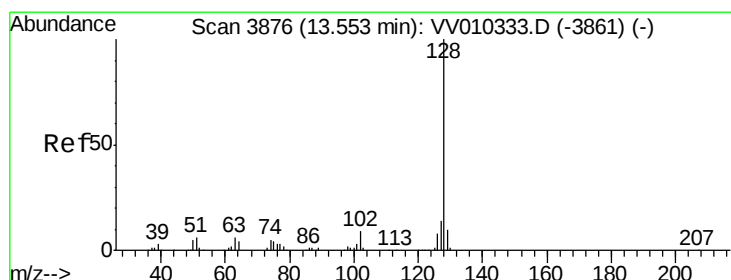
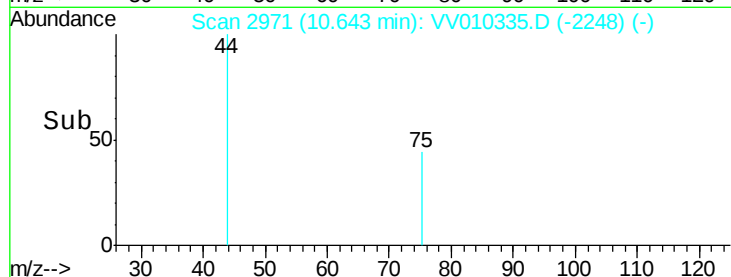
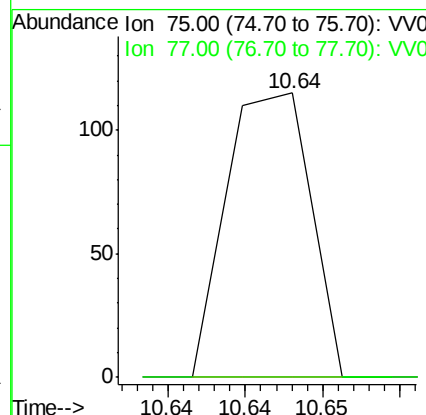
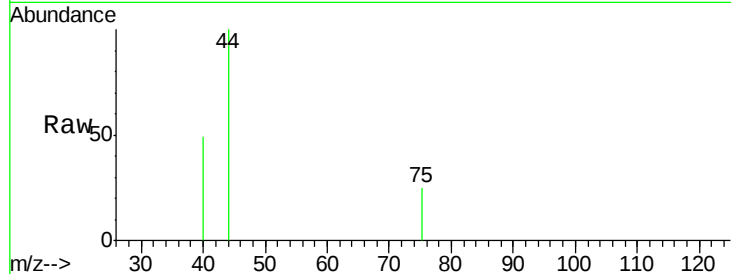
Time-->



#59
 1,2,3-Trichloropropane
 Concen: 52.858 ug/L
 RT: 10.64 min Scan# 2971
 Delta R.T. 0.32 min
 Lab File: VV010335.D
 Acq: 16 Apr 2019 16:11

Instrument :
 MSVOA_V
 ClientSampled :
 GAHJ2

Tot Ion: 75 Resp: 43
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.9 40.3#



#69
 Naphthalene
 Concen: 7.729 ug/L
 RT: 13.63 min Scan# 3901
 Delta R.T. 0.08 min
 Lab File: VV010335.D
 Acq: 16 Apr 2019 16:11

Tgt Ion: 128 Resp: 41
 Ion Ratio Lower Upper
 128 100
 129 0.0 9.0 13.4#
 127 0.0 10.6 15.8#

