

Data File : VV010283.D
Acq On : 12 Apr 2019 13:19
Operator : SY/MD
Sample : K2328-23
Misc : 4.55G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
DB741

Quant Time: Apr 13 04:50:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM041019S.M
Quant Title : VOC Analysis
QLast Update : Sat Apr 13 04:47:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	8819	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.91	117	4702	25.00	ug/L	0.01
60) 1,4-Dichlorobenzene-d4	11.30	152	1149	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	1986	19.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.24%
7) Chloroethane-d5	1.59	69	2142	24.55	ug/L	0.02
Spiked Amount	25.000	Range	30 - 150	Recovery	=	98.20%
10) 1,1-Dichloroethene-d2	2.14	63	2942	11.39	ug/L	0.01
Spiked Amount	25.000	Range	45 - 110	Recovery	=	45.56%
20) 2-Butanone-d5	3.95	46	45	1.75	ug/L	0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	3.50%#
24) Chloroform-d	4.41	84	3882	19.28	ug/L	0.01
Spiked Amount	25.000	Range	40 - 150	Recovery	=	77.12%
26) 1,2-Dichloroethane-d4	5.09	65	1624	14.16	ug/L	0.01
Spiked Amount	25.000	Range	70 - 130	Recovery	=	56.64%#
29) Benzene-d6	5.10	84	8978	39.60	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	158.40%#
33) 1,2-Dichloropropane-d6	6.13	67	3060	45.38	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	181.52%#
37) Toluene-d8	7.37	98	5990	27.09	ug/L	0.01
Spiked Amount	25.000	Range	30 - 130	Recovery	=	108.36%
38) trans-1,3-Dichloropropene-	7.67	79	541	19.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	76.96%
39) 2-Hexanone-d5	8.18	63	67	5.75	ug/L	0.05
Spiked Amount	50.000	Range	20 - 135	Recovery	=	11.50%#
48) 1,1,2,2-Tetrachloroethane-	10.26	84	1629	26.91	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	107.64%
61) 1,2-Dichlorobenzene-d4	11.68	152	988	23.28	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.12%

Target Compounds

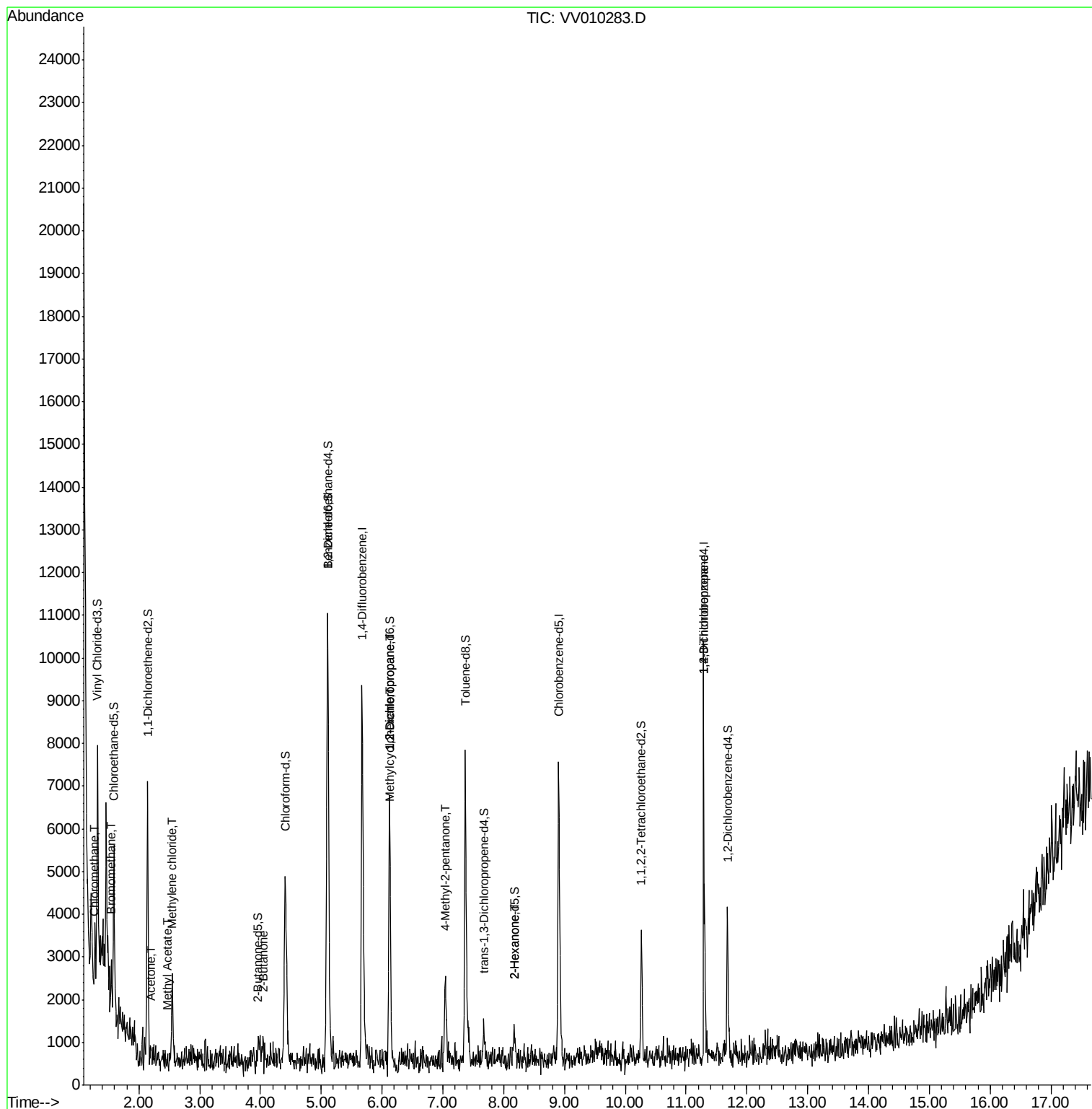
					Qvalue
3) Chloromethane	1.26	50	158	1.362 ug/L #	43
6) Bromomethane	1.55	94	292	2.889 ug/L	61
13) Acetone	2.19	43	109	3.971 ug/L #	44
15) Methyl Acetate	2.46	43	50	1.023 ug/L #	51
16) Methylene chloride	2.55	84	579	3.352 ug/L	93
21) 2-Butanone	4.03	43	165	5.270 ug/L #	48
36) Methylcyclohexane	6.14	83	190	1.846 ug/L #	20
40) 1,2-Dichloropropane	6.13	63	181	3.103 ug/L #	85
43) 4-Methyl-2-pentanone	7.05	43	123	3.259 ug/L #	44
49) 2-Hexanone	8.16	43	71	2.861 ug/L #	39
59) 1,2,3-Trichloropropane	11.30	75	113	2.511 ug/L #	81

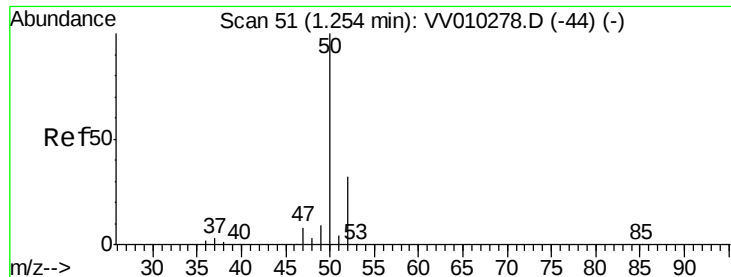
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 1.362 ug/L

RT: 1.26 min Scan# 52

Delta R.T. 0.00 min

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Instrument :

MSVOA_V

ClientSampleId :

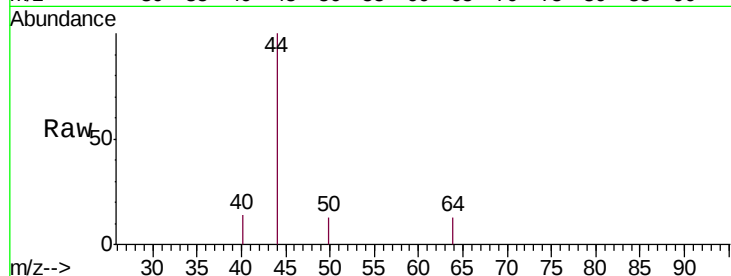
DB741

Tgt Ion: 50 Resp: 158

Ion Ratio Lower Upper

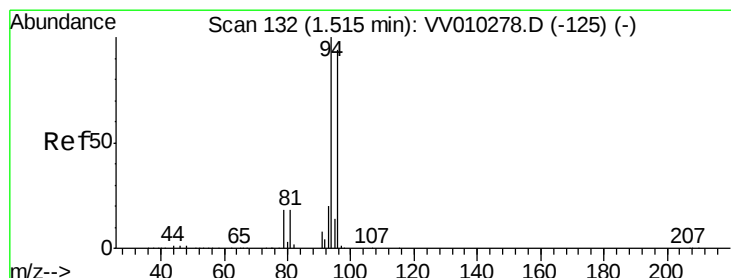
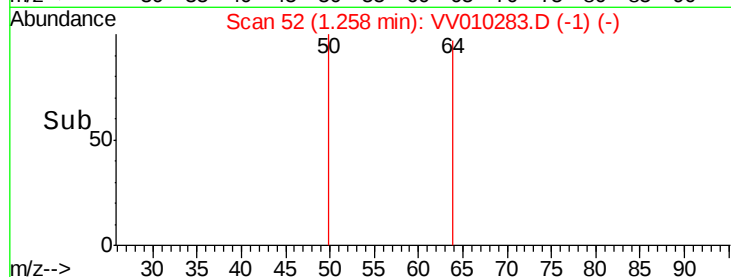
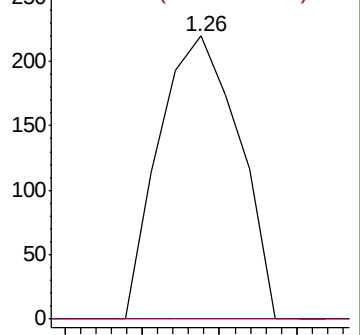
50 100

52 0.0 22.4 41.6#



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0



#6

Bromomethane

Concen: 2.889 ug/L

RT: 1.55 min Scan# 142

Delta R.T. 0.03 min

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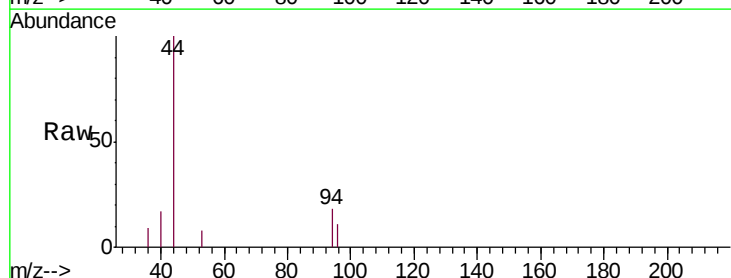
Acq: 12 Apr 2019 13:19

Tgt Ion: 94 Resp: 292

Ion Ratio Lower Upper

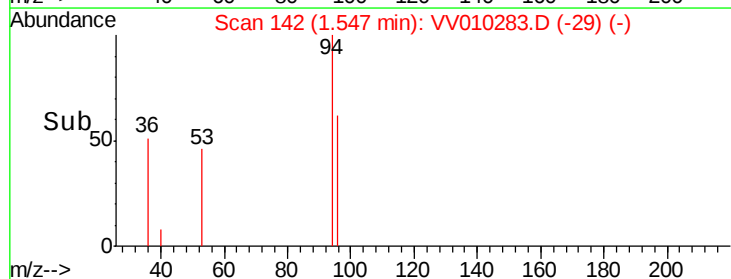
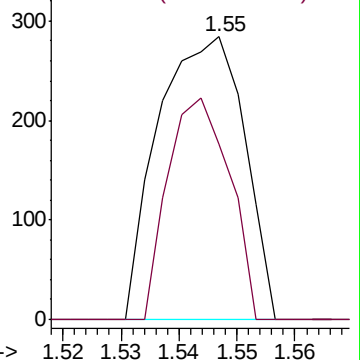
94 100

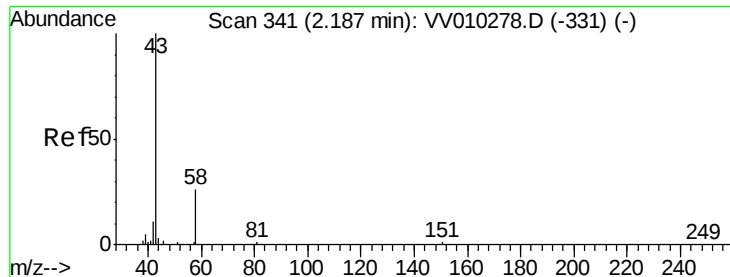
96 56.2 9.4 179.0



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#13

Acetone

Concen: 3.971 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV010283.D

Acq: 12 Apr 2019 13:19

Instrument :

MSVOA_V

ClientSampleId :

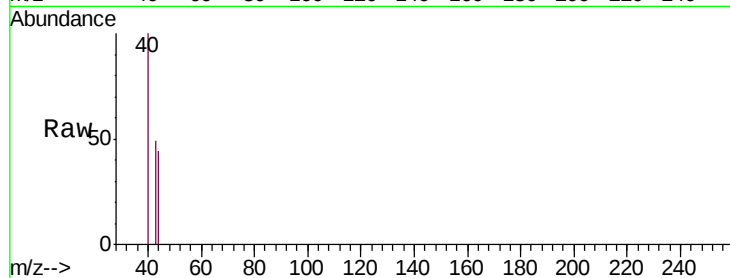
DB741

Tgt Ion: 43 Resp: 109

Ion Ratio Lower Upper

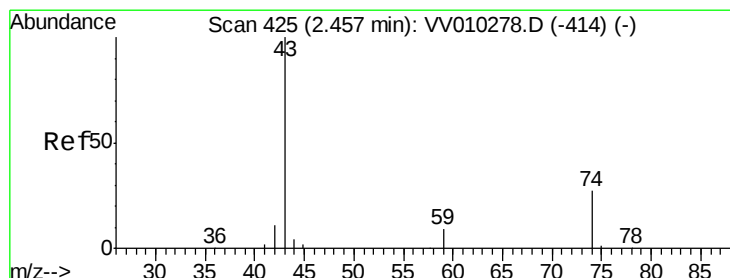
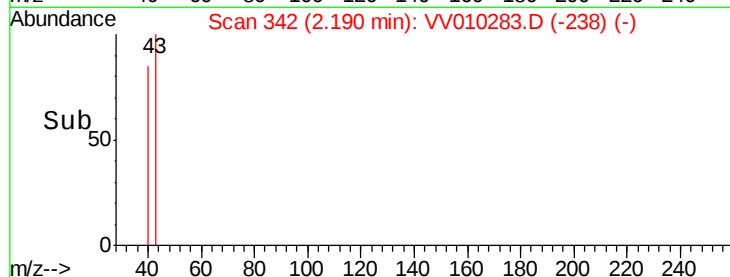
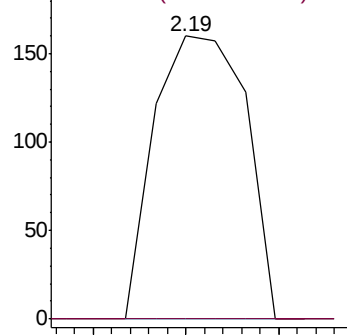
43 100

58 0.0 0.0 61.6



Abundance Ion 43.00 (42.70 to 43.70): VV010278.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV010278.D (-331) (-)



#15

Methyl Acetate

Concen: 1.023 ug/L

RT: 2.46 min Scan# 426

Delta R.T. 0.00 min

Lab File: VV010283.D

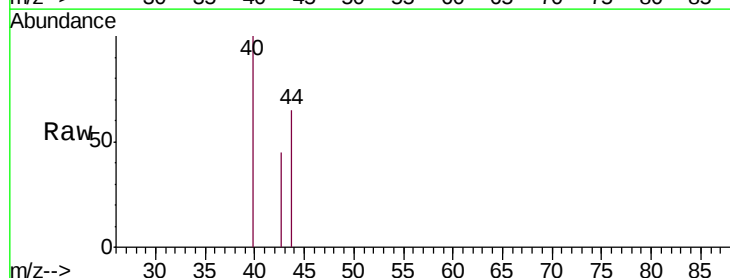
Acq: 12 Apr 2019 13:19

Tgt Ion: 43 Resp: 50

Ion Ratio Lower Upper

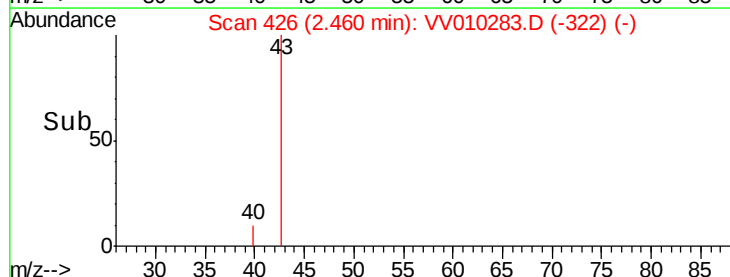
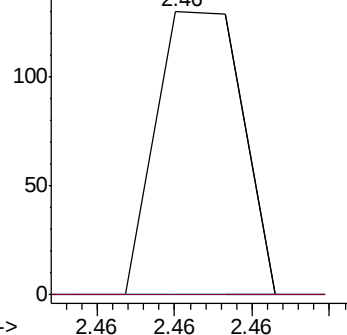
43 100

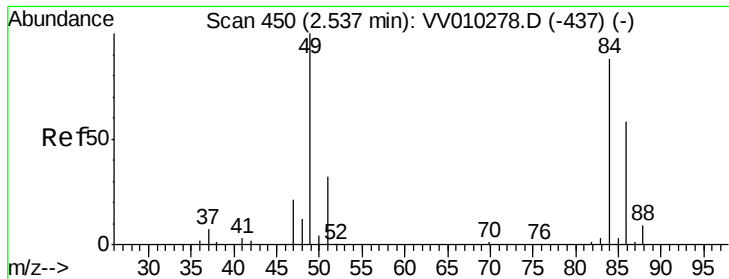
74 0.0 19.3 28.9#



Abundance Ion 43.00 (42.70 to 43.70): VV010278.D (-414) (-)

Ion 74.00 (73.70 to 74.70): VV010278.D (-414) (-)

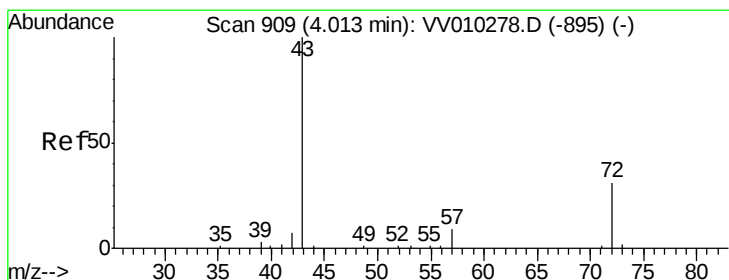
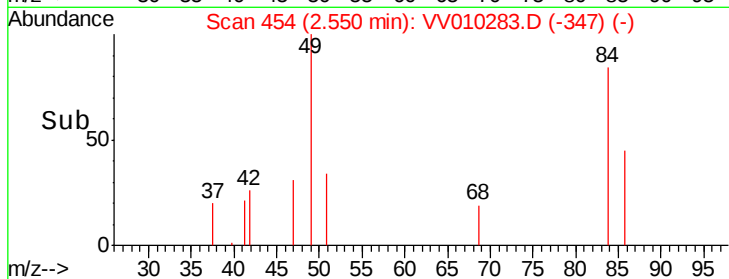
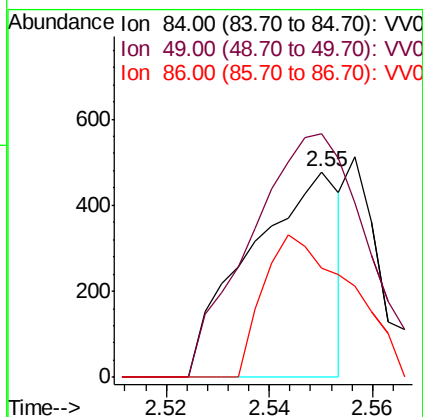
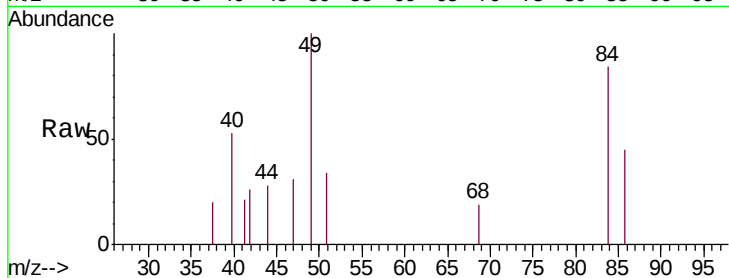




#16
Methylene chloride
Concen: 3.352 ug/L
RT: 2.55 min Scan# 454
Delta R.T. 0.01 min
Lab File: VV010283.D
Acq: 12 Apr 2019 13:19

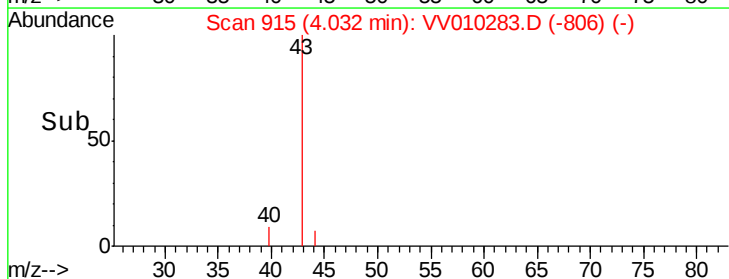
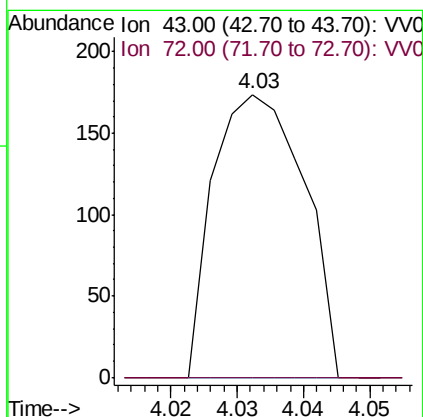
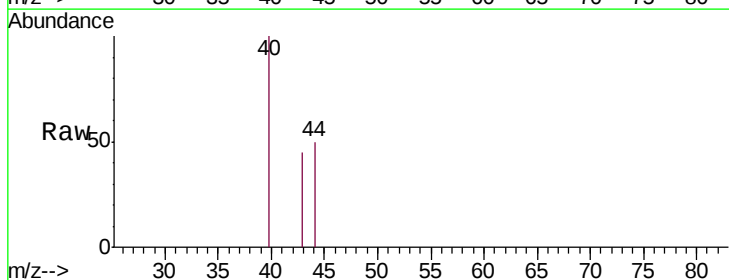
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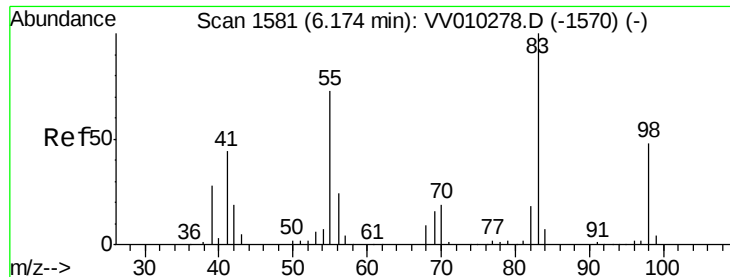
Tgt Ion: 84 Resp: 579
Ion Ratio Lower Upper
84 100
49 118.4 79.9 148.5
86 52.9 44.5 82.7



#21
2-Butanone
Concen: 5.270 ug/L
RT: 4.03 min Scan# 915
Delta R.T. 0.02 min
Lab File: VV010283.D
Acq: 12 Apr 2019 13:19

Tgt Ion: 43 Resp: 165
Ion Ratio Lower Upper
43 100
72 0.0 13.5 40.4#

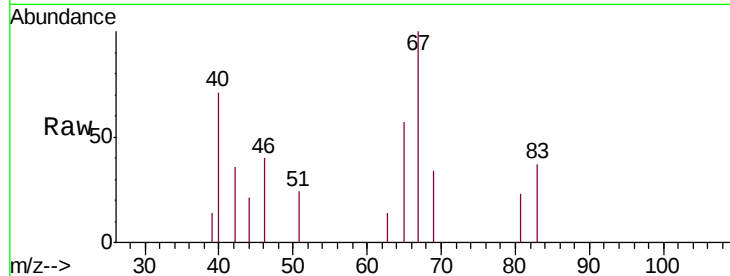




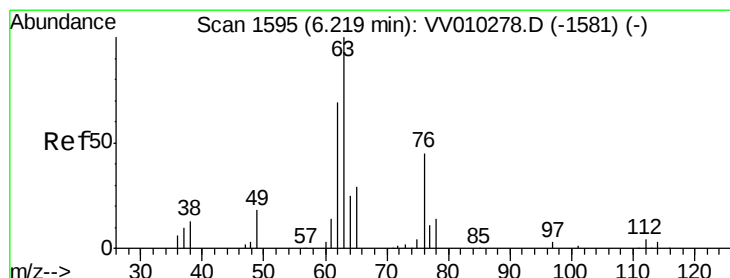
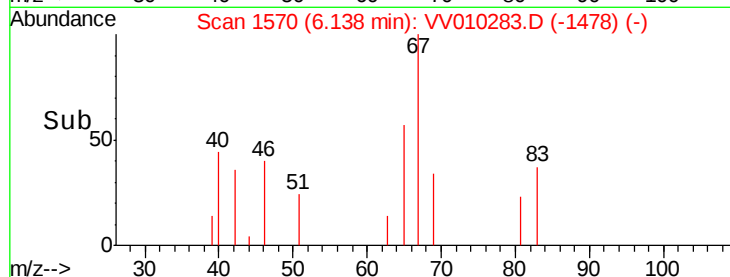
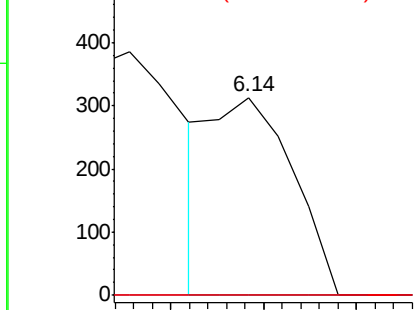
#36
Methylcyclohexane
Concen: 1.846 ug/L
RT: 6.14 min Scan# 1570
Delta R.T. -0.04 min
Lab File: VV010283.D
Acq: 12 Apr 2019 13:19

Instrument :
MSVOA_V
ClientSampled :
DB741

Tgt Ion: 83 Resp: 190
Ion Ratio Lower Upper
83 100
55 0.0 55.7 83.5#
98 0.0 39.4 59.2#

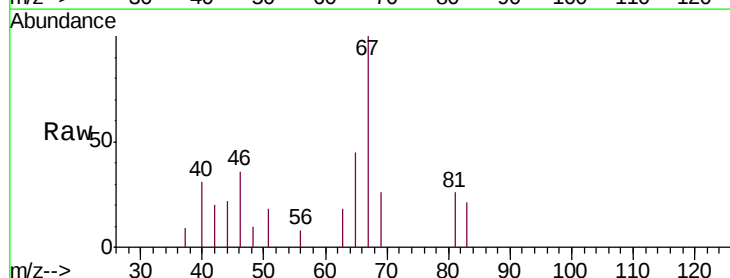


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

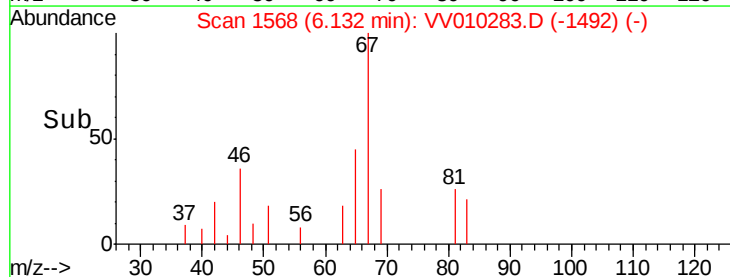
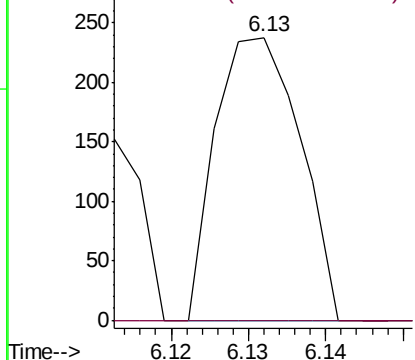


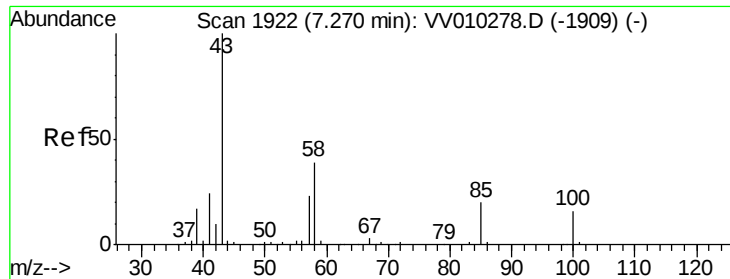
#40
1,2-Dichloropropane
Concen: 3.103 ug/L
RT: 6.13 min Scan# 1568
Delta R.T. -0.09 min
Lab File: VV010283.D
Acq: 12 Apr 2019 13:19

Tgt Ion: 63 Resp: 181
Ion Ratio Lower Upper
63 100
112 0.0 4.0 6.0#



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 112.00 (111.70 to 112.70): V

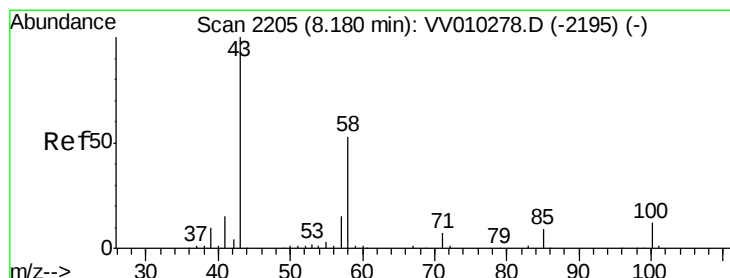
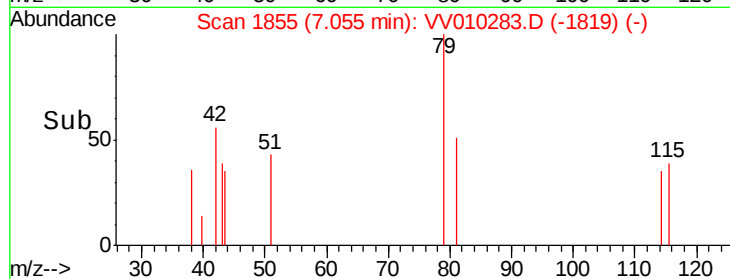
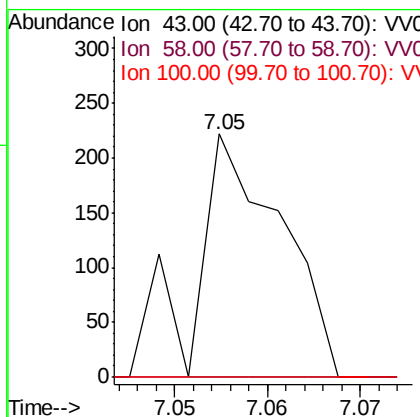
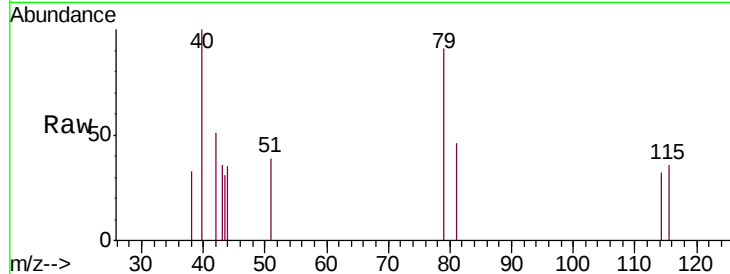




#43
4-Methyl-2-pentanone
Concen: 3.259 ug/L
RT: 7.05 min Scan# 1855
Delta R.T. -0.22 min
Lab File: VV010283.D
Acq: 12 Apr 2019 13:19

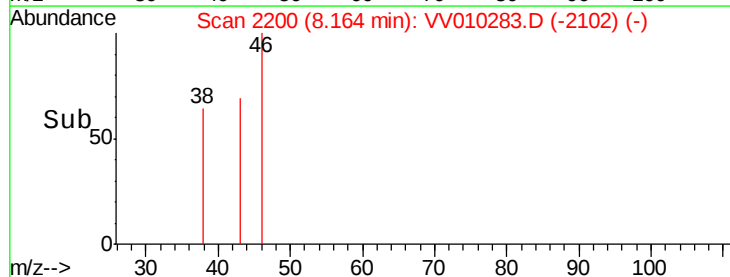
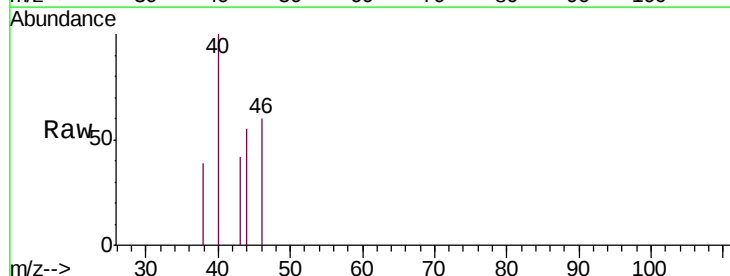
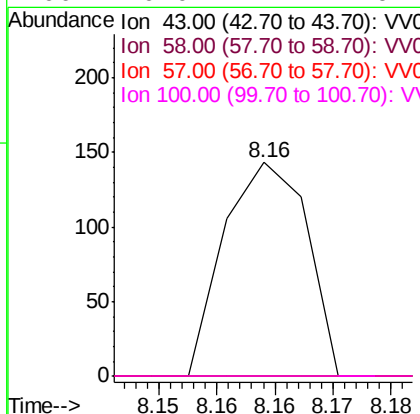
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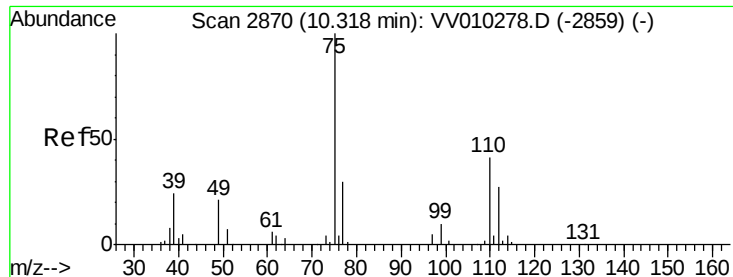
Tgt Ion: 43 Resp: 123
Ion Ratio Lower Upper
43 100
58 0.0 30.4 45.6#
100 0.0 13.5 20.3#



#49
2-Hexanone
Concen: 2.861 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. -0.02 min
Lab File: VV010283.D
Acq: 12 Apr 2019 13:19

Tgt Ion: 43 Resp: 71
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#





#59

1,2,3-Trichloropropane

Concen: 2.511 ug/L

RT: 11.30 min Scan# 3175

Delta R.T. 0.98 min

Lab File: VV010283.D

Acq: 12 Apr 2019 13:19

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Tgt Ion: 75 Resp: 113

Ion Ratio Lower Upper

75 100

77 44.2 26.9 40.3#

